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Report on Work for the  
RELIEF AND CONTROL OF UNCINARIASIS  
IN SOUTHERN UNITED STATES

From Jan. 1, 1910, to June 30, 1915.

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THE ROCKEFELLER FOUNDATION  
INTERNATIONAL HEALTH COMMISSION  
61 BROADWAY, NEW YORK, U. S. A.

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SOUTHERN UNITED STATES.

1. Scope of Report. This report gives a summary of all work conducted by the State Boards of Health in the Southern United States in which the Rockefeller Sanitary Commission and the International Health Commission have participated. It covers work accomplished from the early months of 1910 up through June 30, 1915.

2. Types of Work. Three main types of work have been followed during this period: (1) educational work; (2) dispensary work; and (3) intensive community health work.

1) Educational Work. The first type of work was directed along general educational lines toward informing the public regarding uncinariasis in all its phases, and toward securing the interest and co-operation of the important agencies in the South. Of greatest importance among these agencies were the physicians, the school forces, and the press.

a) Dispensary Work. The second type of work was the dispensary work, the way for which was paved by the educational work. Dispensaries for the free examination and free treatment of uncinariasis, and for acquainting the people by lecture and the printed page with the essential facts about this and other preventible diseases, were operated with the county as the unit. This type of work was engaged in from January, 1911, until December 31, 1915, but was not quite completed. During the first half of 1915 it was practically completed, with the aid of the International Health Commission, along lines approved by the State Boards of Health and the Rockefeller Sanitary Commission.

3) Intensive Community Health Work. The third type of work has been known as the intensive community health work. It is directed primarily toward the cure and prevention of uncinariasis within circumscribed areas by: (1) curative measures and (2) sanitary measures. The aims of these two measures are:





I. COMMUNITY WORK:

Chapter I -- Results in Completed Communities - Up to June 30, 1915 (pages)  
 Chapter II - Results in Communities Not Completed - Up to June 30, 1915 (pages)  
 Chapter III- Results in Communities Completed and Not Completed - Quarter Ending June 30, 1915 (pages)

II. DISPENSARY WORK:

Chapter I -- Results in Dispensary Work - Up to June 30, 1915 (pages)  
 Chapter II - Results in Dispensary Work - Quarter Ending June 30, 1915 (pages)

3. Cumulative Figures Given. In Chapters I and II of the report on community work and in Chapter I of the report on dispensary work, cumulative figures are given, representing total results to date; the other two chapters are devoted to summarizing the work of the calendar quarter ending June 30, 1915.

4. Extent of Operations. Practically all of the work in which the Rockefeller Sanitary Commission co-operated was conducted on the dispensary plan. Intensive community work was not attempted until the latter part of 1913, when it was desired to make, within restricted areas, an effective demonstration of what could be accomplished against uncinariasis by reducing as far as practicable the percentage of infection and by improving as far as practicable the privy conditions at farm homes. This type of work in its trial stages gave such promise that, with the co-operation of the International Health Commission as successor to the Rockefeller Sanitary Commission, it is gradually being extended by certain states and is coming to be looked upon more and more as an effective working instrument. With increasing experience, the results are yielding more definite and more satisfactory results. This is particularly emphasized in the type of privies being built. At first some of the privies constructed were of a very crude type, but the majority of those now being built are of a much higher grade of workmanship and are much more effective for preventing soil-pollution.

With the aid of the International Health Commission, dispensary work was continued after December 31, 1914, by the states of Alabama, Georgia, Kentucky, Tennessee, and Texas, where there were still a number of heavily infected counties which had not been visited by dispensaries. However, dispensary work in all of these states was brought to a close during the quarter ending June 30,



1915, except in Kentucky. In that state the dispensary work did not begin until July, 1912, and dispensaries have been operated only for a six-months' period during the summer and fall. The work has had to be interrupted during the winter months of each year because the heavily infected counties were not accessible during these months. This has made it necessary to continue dispensary work in Kentucky somewhat longer than in the other states.

Table 1 indicates the length of time spent in dispensary work and in community work in each of the eleven Southern States with which the Commissions have cooperated:

State	DISPENSARY WORK		Length of Time in Operation y. m.	COMMUNITY WORK		Length of Time in Operation y. m.
	Opened	Closed		Opened	Closed	
Ala.	Jan. 1, 1911	April 30, 1915	4 4			
Ark.	Oct. 1, 1911	Dec. 31, 1914	3 3			
Ga.	Oct. 1, 1911	June 30, 1915	3 9			
Ky.*	July 1, 1912	In progress	3 0	Jan. 1, 1915	In progress	0 6
La.	Jan. 1, 1911	Dec. 31, 1914	4 0	Oct. 1, 1914	In progress	0 9
Miss.	Jan. 1, 1911	Dec. 31, 1914	4 0	Oct. 1, 1914	In progress	0 9
N. C.	Jan. 1, 1911	June 30, 1914	3 6	Apr. 1, 1914	May 1, 1915	1 1
S. C.	Jan. 1, 1911	Dec. 31, 1914	4 0	July 1, 1914	In progress	1 0
Tenn.	Oct. 1, 1911	June 30, 1915	3 9			
Tex.	July 1, 1912	June 30, 1915	3 0			
Va.	July 1, 1911	Dec. 31, 1914	3 6	Apr. 1, 1914	In progress	1 3

The cumulative statistics given in this report represent these respective periods of operation.

\* Dispensary work suspended during winter months.

Information you will prove you cannot get where only all information  
 being transmitted is not used because each information  
 will return information he or she and you are asked to  
 The more extensive material you have the more  
 information you will be provided to them and with extensive  
 information you will be able to make many  
 of the more extensive information to those who are asked for information  
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No	Name	Name Information		No	Name	Name Information	
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### I. COMMUNITY WORK.

#### Chapter I - Results in Completed Communities - Up to June 30, 1915.\*

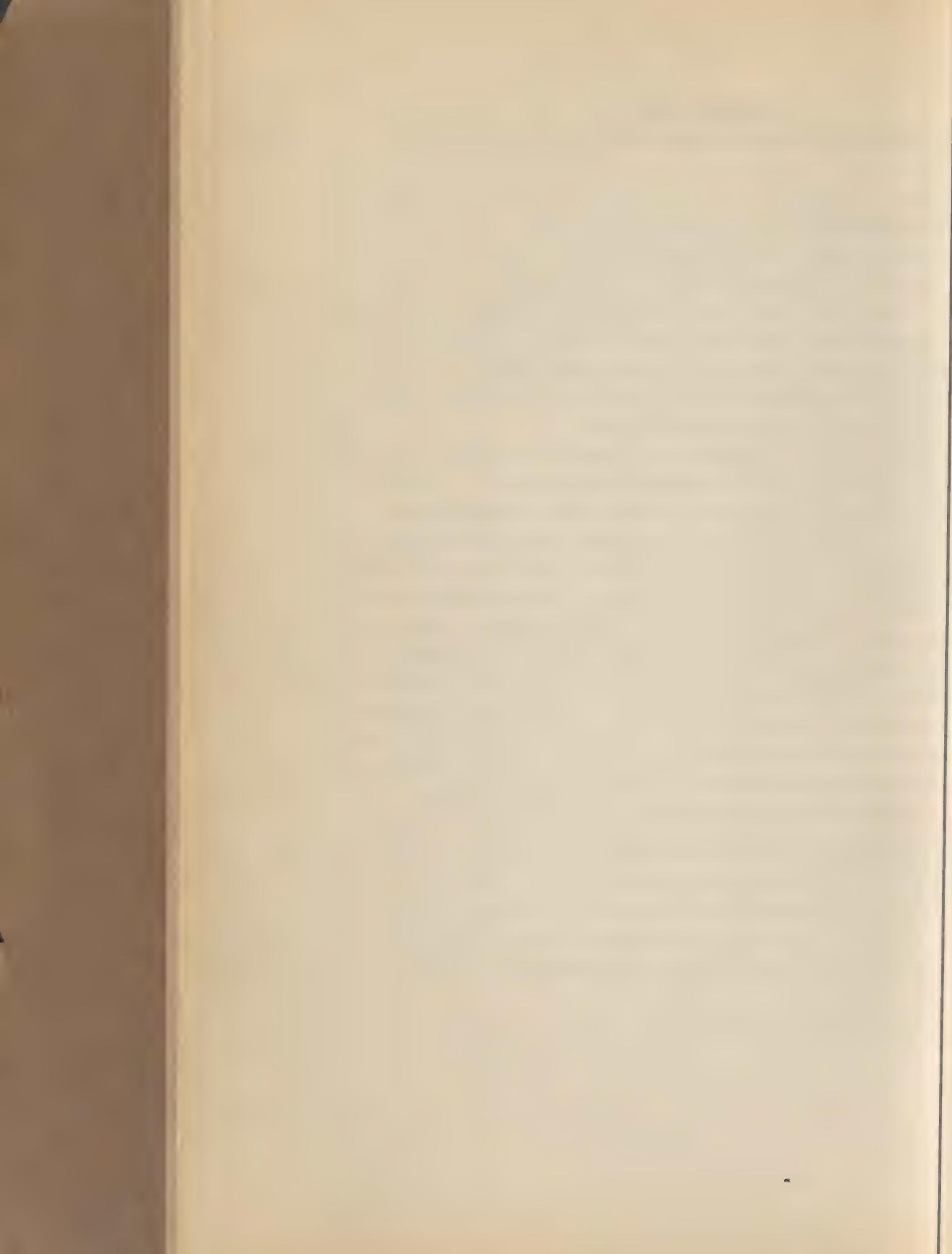
1. Plan of Work. Community work has been conducted in two ways: (1) on the group-community plan and (2) on the single-community plan. In the former, two or more communities (usually three) are grouped together under the supervision of one field director with an assistant for each community, and comprise a working unit; in the latter, each separate community is considered a working unit and the entire time of a field director and his assistant is devoted to it. The single-community plan was followed in all of the early community work; later, the group-community plan has come to be regarded as more effective and may be said to have replaced the single-community plan.

The group-community plan is economical and at the same time permits of relatively larger numbers of people being reached simultaneously. In many instances the county boards of supervisors willingly grant the appropriation requested, with the understanding that the work may not reach more than three communities in the county. The influence of the work in this small area, they consider, will radiate into the surrounding territory. In other instances, the county boards feel that all portions of the county should definitely share the value of the work, and they are willing to make much larger appropriations to accomplish this end. In such cases, one series of communities after another is worked until the county is reasonably well covered. Where time is an important factor the length of the working period may be shortened if the county will make provision for two or three additional health inspectors, with the aid of which the number of communities making up each series is accordingly increased.

2. Extent of Operations. Since community work as such was first started early in May, 1914, work in twenty-eight communities has been completed: in fourteen on the group-community plan and in fourteen on the single-community plan. For comparative purposes, in the tables throughout the report the communities are arranged according to the plan under which they were worked, with the

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\* Figures in this chapter are cumulative.



group-communities first, although chronologically, since the group-community plan developed from the single-community plan, this arrangement should be reversed.

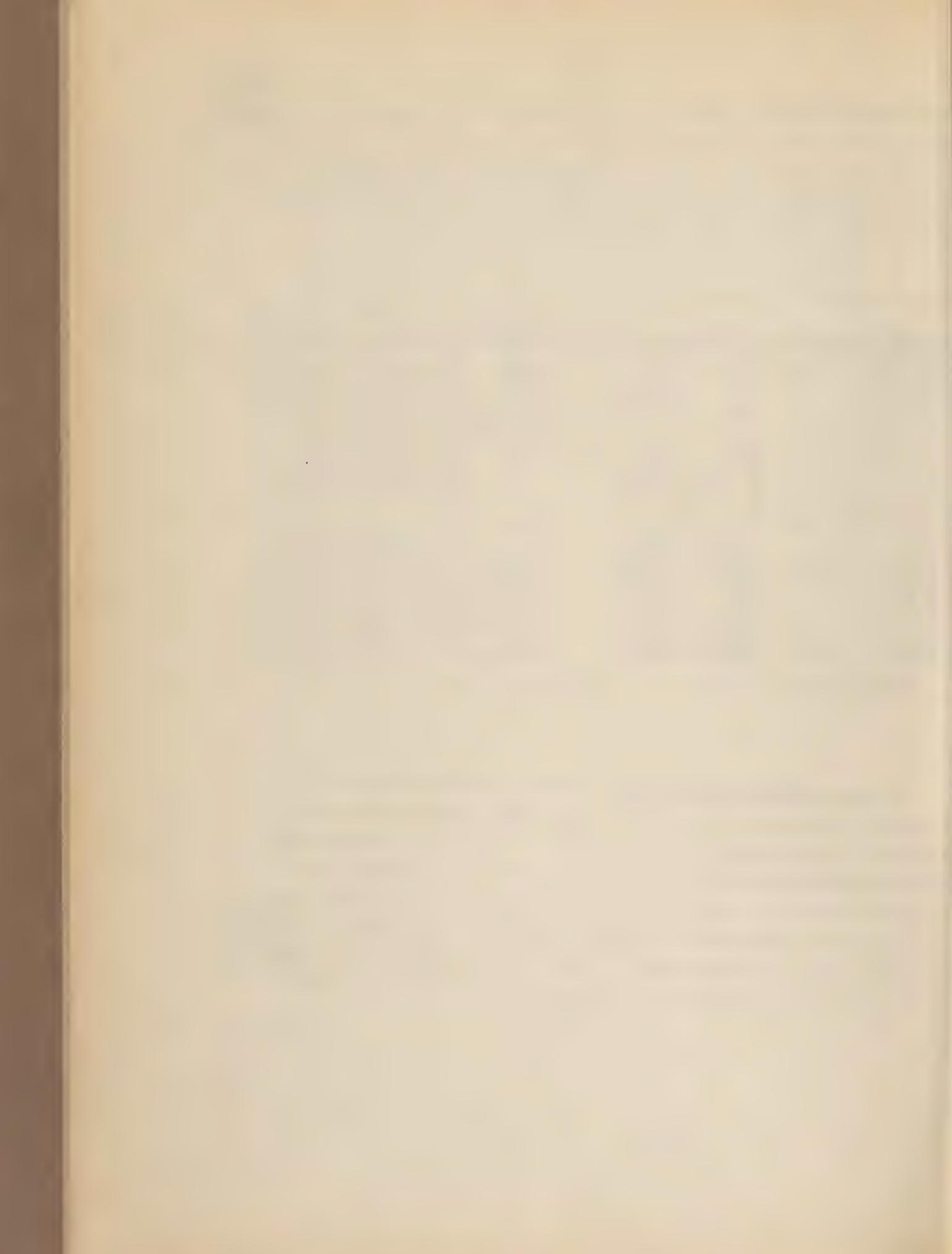
The state and county in which the communities are located; the names of the director and assistant director who conducted the work; and the length of time spent in each community, are indicated in Table 2:

Table 2

Community	State	County	Director	Assistant Director	Work Began	Work Ended	Length of Time m. d.
<u>Group Communities<sup>1</sup></u>							
Saint Johns . . . . .	North Carolina	Scotland	D.C. Absher & M.W. Steele	S.R. McKay	Oct. 17, 1914	Mon. 31, 1915	5 14
Sneads Grove . . . . .	"	"	"	T.B. Stansel	Nov. 1, 1914	Mon. 31, 1915	5 --
Johns Station . . . . .	"	"	"	F.P. Pace	Nov. 7, 1914	Mon. 31, 1915	4 24
Faxland . . . . .	Pitt		M.E. Champion	W.S. Tuttle	Nov. 21, 1914	Mon. 31, 1915	4 10
Grimesland . . . . .	"	"	"	W.C. Gey	Dec. 12, 1914	Mon. 31, 1915	3 19
Rosewood . . . . .	"	Wayne	P.W. Covington	R.R. Bridges	Dec. 12, 1914	Mon. 31, 1915	3 19
Smiths Chapel . . . . .	"	"	"	Kolbe Curtice	Dec. 12, 1914	Apr. 14, 1915	4 2
Eureka . . . . .	"	"	"	Kolbe Curtice & Miss Livermore	Feb. 1, 1915	May 1, 1915	3 2
Kitchings Mills . . . . .	South Carolina	Aiken	F.M. Routh	F.C. Polk	Jan. 23, 1915	Apr. 27, 1915	3 4
Bethhaar . . . . .	"	"	"	J.Q. Peoples	Feb. 6, 1915	Apr. 27, 1915	2 21
Otts . . . . .	"	"	"	"	Mon. 6, 1915	Apr. 27, 1915	1 21
Courtland . . . . .	Virg. *	Southampton	E.L. Flanagan	W.M. Flanagan	Jan. 15, 1915	May 31, 1915	4 16
Sebrell . . . . .	"	"	"	-----	Mon. 25, 1915	July 24, 1915	3 26
Sedley . . . . .	"	"	"	-----	Apr. 10, 1915	July 24, 1915	3 14
<u>Single Communities<sup>1</sup></u>							
Cameron . . . . .	Louisiana	Cameron	G.C. McKinney	Mrs. G.C. McKinney	Oct. 2, 1914	Dec. 31, 1914	2 25
Maurepas . . . . .	"	Livingston	G.B. Adams	-----	Oct. 3, 1914	Dec. 31, 1914	2 --
Choudrant . . . . .	"	Lincoln	J.D. Baucus	-----	Oct. 10, 1914	Dec. 31, 1914	2 21
Wheeler . . . . .	Mississippi	Prentiss	Henry Boewell	J.E. Friday	Sept. 22, 1914	Mon. 31, 1915	6 --
Eaton Grove . . . . .	"	Forrest	F.N. Whitfield	G.G. Hampton	Jan. 9, 1915	June 19, 1915	5 10
Salemburg . . . . .	North Carolina	Sampson	John Collinson	J.L. Tregellas	May 9, 1914	Sept. 30, 1914	3 21
Philadelphia . . . . .	"	Robeson	D.C. Absher	S.R. McKay	May 23, 1914	Oct. 17, 1914	3 25
Red Oak . . . . .	"	Nash	M.E. Champion	-----	June 20, 1914	Nov. 14, 1914	4 24
Hallboro . . . . .	"	Columbus	P.W. Covington	Kolbe Curtice	Aug. 1, 1914	Dec. 5, 1914	4 4
Mount Pleasant . . . . .	"	Nash	W.H. Kibler	C.D. Ferrell	Sept. 19, 1914	Dec. 31, 1914	3 12
Ingold . . . . .	"	Sampson	John. Guilinson	J.L. Tregellas	Oct. 31, 1914	Dec. 31, 1914	2 --
Reidville . . . . .	South Carolina	Spartanburg	F.M. Routh	-----	Aug. 8, 1914	Dec. 8, 1914	4 1
Sunnyvale . . . . .	"	Cherokee	F.D. Rodgers	-----	Aug. 26, 1914	Dec. 18, 1914	3 14
Albemarle . . . . .	Virginia	Albemarle	W.M. Bray	Emma B.Gault	May 1, 1914	Dec. 31, 1914	7 --

<sup>1</sup> Communities are arranged (1) according to the plan under which they were worked, as group or single; (2) by states; and (3) chronologically.

3. Type of Communities Selected. Different industries and modes of life prevail in the different communities. In no two of them are conditions quite the same, but the majority are strictly rural. Some idea of the geographical nature of communities in which the intensive work has been conducted will be gained by glancing at Table 3. This shows that for each of the twenty-eight communities the average area was 26 square miles; the average number of inhabitants 825; the average number of families 161. Of these 161 families, 68, or 42 per cent, were tenants. Each community had an average of three



schools. The average length of time spent in each community was 90 days.

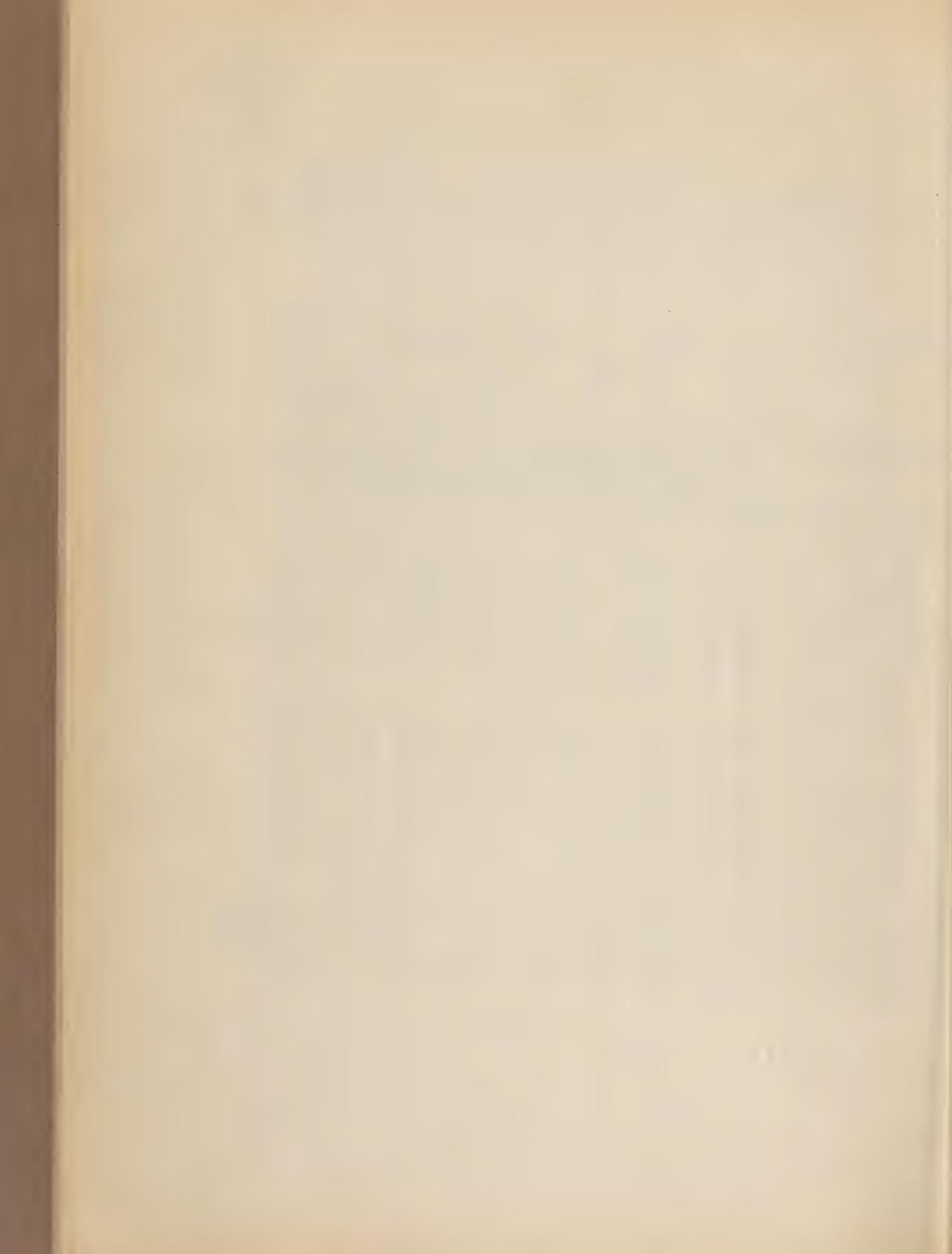
In point of area, the largest community worked was Hallsboro, with 63 square miles; the smallest, Courtland, with one square mile. In point of population, Albemarle was the largest, with 1,473 inhabitants; Otts the smallest, with 308 inhabitants. In the average population of each community the white race exceeded the black by 50 per cent.

Community*	Area (Sq. Mi.)	Number of Inhabitants				Number of Families				Number of Tenant Families				Number of Schools	Number of Days Work in Progress
		Total	White	Colored	Indian	Total	White	Colored	Indian	Total	White	Colored	Indian		
Ave. Age .....	36	825	453	303	5	161	90	59	1	62	48	32	2	3	90
Group Communities .....	21	634	282	314	3	132	67	65	1	72	21	51	-	2	50
Single Communities .....	30	1036	625	291	8	190	113	53	3	64	35	27	2	4	130
Total .....	719	23105 <sup>1</sup>	12691	8475	152	4507 <sup>2</sup>	2519	1651	30	1895	780	1094	21	77	2523
Group Communities .....	300	6735	3346	4400	41	1851	936	504	8	1001	387	714	-	26	706
Single Communities .....	419	14369	9748	4075	111	2656	1583	744	22	894	493	380	21	51	1817
<i>Group Communities:</i>															
Saint Johns .....	17	637	349	362	26	136	77	55	4	54	14	80	-	2	165
Sneads Grove .....	18	742	252	480	--	136	49	86	-	120	2	118	-	2	150
Johns Station .....	20	588	166	401	15	130	37	86	4	107	62	85	-	2	144
Falkland .....	40	491	328	163	--	103	54	35	-	66	33	33	-	2	130
Grindeland .....	34	677	389	288	--	144	93	51	-	80	42	38	-	2	109
Rosewood .....	11	561	300	384	--	127	72	55	-	82	28	54	-	2	109
Smiths Chapel .....	18	757	415	342	--	157	81	76	-	96	36	60	-	3	123
Burke .....	12	586	279	307	--	134	60	64	-	78	27	51	-	2	84
Kitchens Mills .....	25	991	376	715	--	307	61	146	-	143	54	119	-	3	94
Bethel .....	16	411	235	176	--	99	54	45	-	60	25	35	-	2	80
Otts .....	9	308	135	173	--	58	33	35	-	44	16	28	-	2	58
Courtland .....	1	342	234	108	--	82	52	30	-	31	18	13	-	-	136
Seaboard .....	43	743	336	407	--	148	74	75	-	-	-	-	-	-	117
Sedley .....	48	885	601	284	--	167	129	58	-	-	-	-	-	2	105
<i>Single Communities:</i>															
Cameron .....	12	1300	1040	260	--	224	172	53	-	-	-	-	-	5	90
Marion .....	45	1017	913	104	--	189	164	35	-	44	32	12	-	3	65
Choudrant .....	60	1180	782	392	--	185	121	64	-	97	50	37	-	7	79
Wheeler .....	14	1108	936	172	--	221	193	28	-	117	90	27	-	4	190
East Grove .....	27	956	545	421	--	178	106	72	-	63	37	25	-	2	169
Salisbury .....	25	875	683	198	--	166	125	43	-	67	40	27	-	3	144
Philadelphus .....	41	941	269	301	111	186	63	101	22	128	24	83	21	2	147
Tee Oak .....	30	1135	540	595	--	199	100	98	-	151	59	92	-	3	147
Hallsville .....	63	1215	765	480	--	203	159	86	-	15	10	5	-	4	136
Mount Pleasant .....	27	801	632	169	--	154	124	30	-	46	29	17	-	2	103
Indial .....	35	551	285	268	--	115	60	55	-	38	19	19	-	3	61
Reidville .....	16	1088	--	--	--	188	--	--	-	-	-	-	-	-	123
Sunnyside .....	20	699	--	--	--	119	--	--	-	-	-	-	-	-	105
Albemarle .....	31	1473	1002	471	--	236	196	89	-	129	93	36	-	10	344

\* The state and county in which the community is located; the name of the director and assistant director; and the time consumed in completing the work, will be found in Table 2, p. 6.

<sup>1</sup> The total of this column is 1,787 in excess of the total of columns headed "White," "Colored," and "Indian." This is because the 1,088 persons in Reidville and the 699 persons in Sunnyside community have not been itemized by races.

<sup>2</sup> The total of this column is 307 in excess of the total of columns headed "White," "Colored," and "Indian." This is because the 188 families in Reidville and the 119 families in Sunnyside community have not been itemized by races.



4. Sanitary Improvement. Of the many results of community work, one of the most important is perhaps the permanent sanitary improvement which it effects. From Table 4 it will be seen that whereas 46.9 per cent (2,115) of the 4,507 homes in the twenty-eight communities were without privies of any kind when the intensive work was begun, only 12.1 per cent (547) were without privies when it ended. This represents an actual reduction in the percentage of families without privies of 34.8 per cent, or a relative reduction of 74.3 per cent based on the previous percentage.

In seven of the communities (Kitchings Mills, Otts, Courtland, Philadelphus, Red Oak, Hallsboro, Ingold) not a home was left without a privy. In these seven communities, embracing 1,108 homes, 587 families, or 53.3 per cent, were without privies when the work started. From 53.3 per cent the percentage without privies was lowered to zero. In these seven communities, therefore, the task undertaken and accomplished was even more difficult than that undertaken in the average community, since the number of families without privies in all of the communities at the beginning of work averaged 34.8 per cent.

The real extent to which the sanitation of these communities has been improved cannot be indicated in a statement such as Table 4. This shows merely the number of homes with privies and the number without privies at the beginning and at the close of the work. Many homes credited with having privies at the beginning of the work had merely the open-seat, open-back, insanitary type, practically none of which could be depended upon to prevent soil-pollution. During the progress of the work almost all of these were changed to privies either of the pit type or of some other type approved by the respective State Boards of Health. Thus, while in many cases the number of homes with privies has not been largely increased, the effectiveness of the privies for preventing the spread of filth-borne diseases has been very greatly improved.

Table 4 shows by communities the actual reduction in the number of homes without privies:

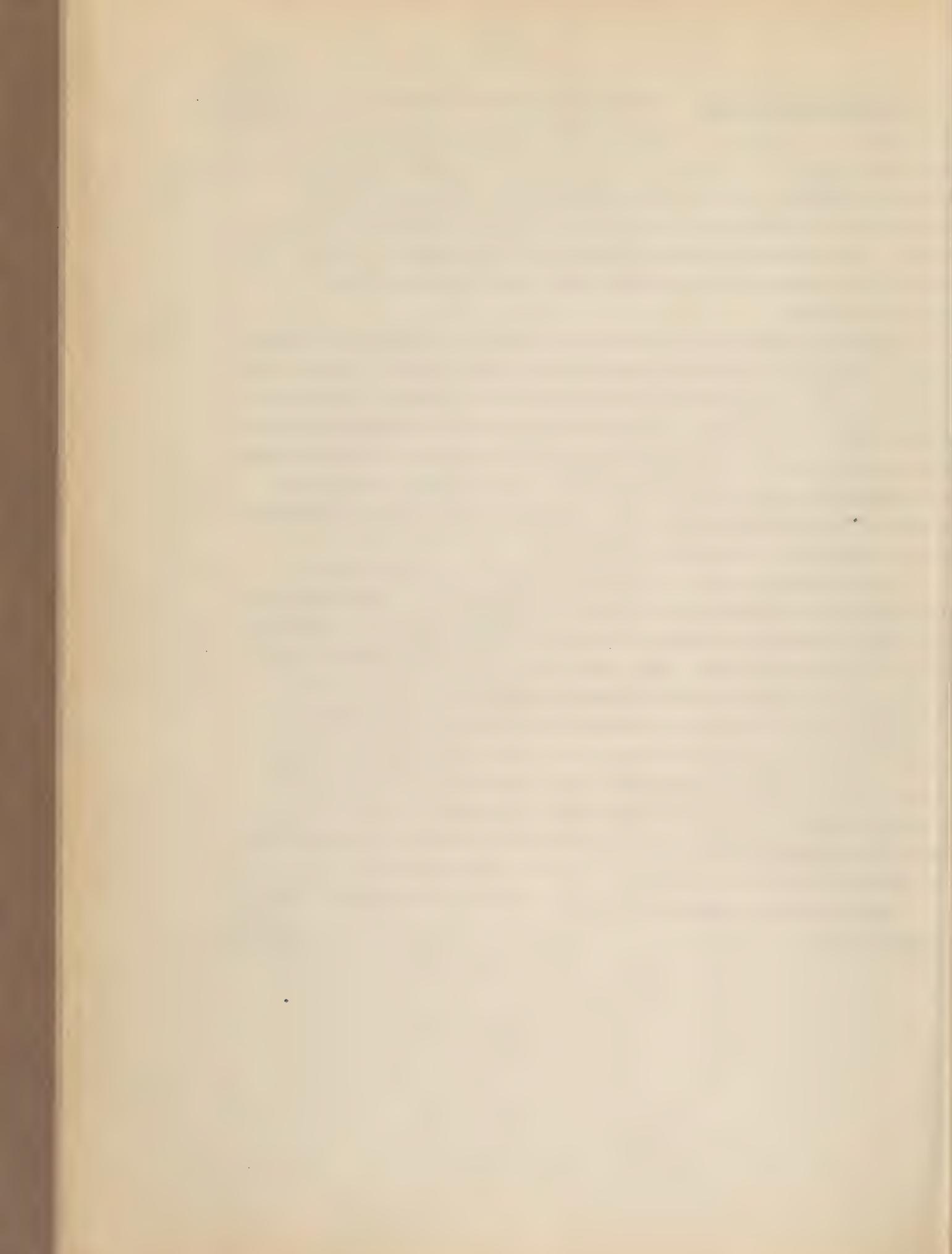


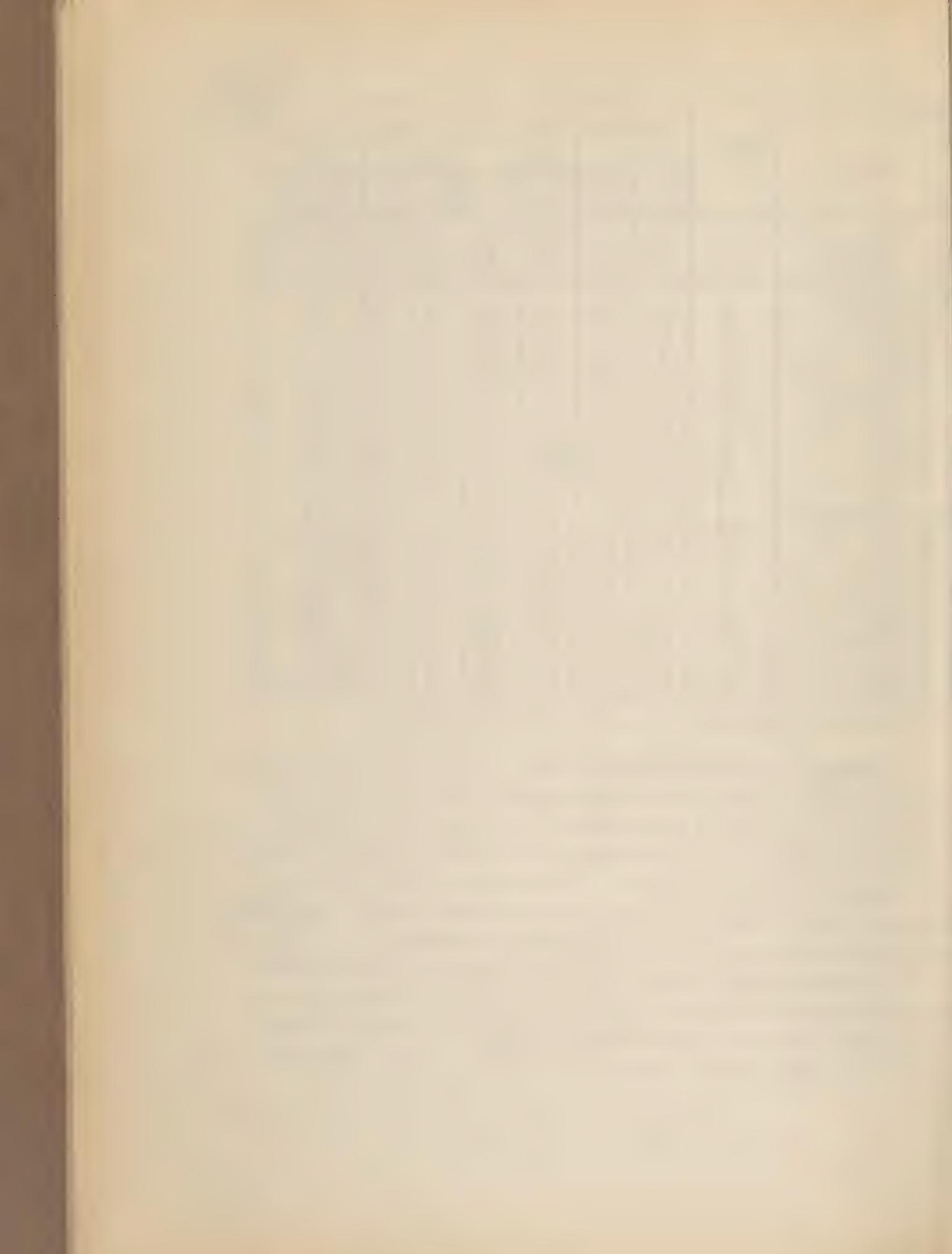
Table 4

Community*	Number of Families in Community	Percentage of Families				Number of Families			
		Without Privies		With Privies		Without Privies		With Privies	
		When Work Ended	When Work Began	When Work Ended	When Work Began	When Work Ended	When Work Began	When Work Ended	When Work Began
<b>TOTAL .....</b>	<b>4507</b>	<b>12.1</b>	<b>46.9</b>	<b>87.9</b>	<b>53.1</b>	<b>547</b>	<b>2115</b>	<b>3960</b>	<b>2392</b>
Group Communities ..	1851	12.6	94.7	87.4	5.3	234	1752	1617	1099
Single Communities ..	2656	11.8	51.3	88.2	48.7	313	1363	2343	1293
<b>Group Communities:</b>									
Saint Johns .....	136	1.5	58.1	98.5	41.9	2	79	134	57
Sneads Grove .....	138	33.3	50.0	66.7	50.0	46	69	92	69
Johns Station .....	130	20.8	48.5	79.3	51.5	27	63	103	67
Falkland .....	103	5.8	11.7	94.3	88.3	5	12	97	91
Grimesland .....	144	6.9	32.6	93.1	67.4	10	47	134	97
Rosewood .....	127	14.2	27.6	85.8	72.4	18	35	109	92
Smiths Chapel .....	157	5.1	48.4	94.9	51.6	8	76	149	81
Eureka .....	124	8.1	47.6	91.9	52.4	10	59	114	65
Kitchings Mills .....	207	0.0	55.1	100.0	44.9	--	114	207	93
Bethcar .....	99	27.3	70.7	72.7	29.3	27	70	72	29
Otts .....	58	0.0	48.5	100.0	51.5	--	33	68	35
Courtland .....	82	0.0	3.7	100.0	96.3	--	3	82	79
Sebrell .....	149	33.6	40.9	66.4	59.1	50	61	99	88
Sedley .....	187	16.0	16.6	84.0	83.4	30	31	157	156
<b>Single Communities:</b>									
Cameron .....	224	5.3	40.3	94.6	59.8	12	90	213	134
Maurepas .....	189	20.6	28.6	79.4	71.4	39	54	150	135
Choudrant .....	185	28.6	60.0	71.4	40.0	53	111	132	74
Wheeler .....	221	6.3	60.6	93.6	39.4	14	134	207	87
Eaton Grove .....	178	16.9	55.6	83.1	44.4	30	99	148	79
Salemburg .....	168	11.3	57.7	88.7	42.3	19	97	149	71
Philadelphus .....	186	0.0	64.0	100.0	36.0	--	119	186	67
Red Oak .....	199	0.0	45.2	100.0	54.8	--	90	199	109
Hallsboro .....	245	0.0	61.6	100.0	38.4	--	151	245	94
Mount Pleasant .....	154	16.3	65.6	83.8	34.4	25	101	129	53
Ingold .....	115	0.0	66.9	100.0	33.0	--	77	115	38
Reidville .....	188	38.3	41.0	61.7	59.0	78	77	116	111
Sunnyside .....	119	16.0	71.4	84.0	28.6	19	85	100	34
Albemarle .....	285	10.5	27.4	89.5	73.6	30	78	255	207

\* Figures for work outside of community boundaries are excluded.

**5. Examining and Treating Infected Persons.** In the intensive work, although greatest stress is placed upon the side of sanitary improvement, curative work is also conducted. In some of the communities, however, in which a reasonably heavy infection was expected, it has been found after the infection survey is well under way that the infection is negligible. In such cases the further examination of the people has been discontinued, as it would be a useless expense. Work within such communities is then devoted in the main to privy-building.

In the twenty-eight communities completed up to June 30, 1915, the total population was 23,105 persons. Of this number, 17,005, or 73.6 per cent, were microscopically examined for uncinariasis; 3,919, or 21.6 per cent, of those examined were found infected; 3,598, or 90.8 per cent, of those infected were



treated; and 993<sup>1</sup>, or 30.5 per cent, of those treated were found by microscopic re-examination to be cured.

The percentage of infection was highest in the Smiths Chapel community, with 43.2 per cent; lowest in the Courtland community, with 3.5 per cent. In five of the communities (Bethcar, Otts, Cameron, Hallsboro, Red Oak) more than 90 per cent of the population was microscopically examined; in eight others (Saint Johns, Kitchings Mills, Courtland, Sebrell, Sedley, Wheeler, Salemburg, Philadelphus) more than 80 per cent; and in twelve communities (Smiths Chapel, Eureka, Bethcar, Otts, Courtland, Sebrell, Sedley, Cameron, Eaton Grove, Salemburg, Hallsboro, Albemarle) every person found infected was treated.

Detailed results for each community are exhibited in Table 5:

Table 5

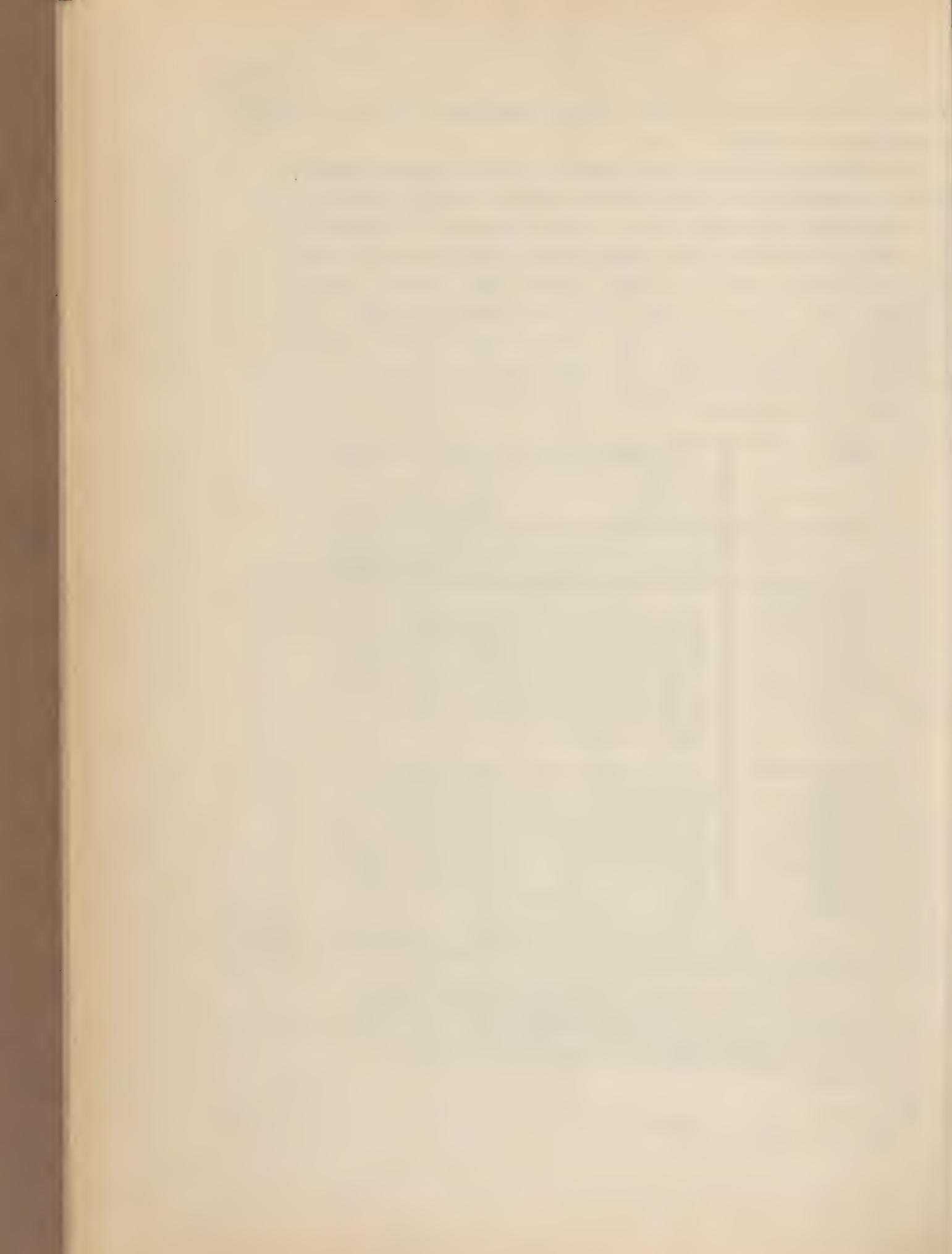
Community*	Population	Percentage of Persons				Number of Persons			
		Microscopically Examined	Found Infected	Treated	Cured <sup>1</sup>	Microscopically Examined	Found Infected	Treated	Cured <sup>1</sup>
<b>TOTAL .....</b>	<b>23105</b>	<b>73.6</b>	<b>31.6</b>	<b>90.8</b>	<b>30.5<sup>2</sup></b>	<b>17005</b>	<b>3919</b>	<b>3598</b>	<b>993<sup>2</sup></b>
Group Communities ...	9736	71.8	23.0	81.5	18.6 <sup>2</sup>	8352	1440	1173	218 <sup>2</sup>
Single Communities ..	14369	74.8	23.1	97.8	32.6 <sup>2</sup>	10753	2479	2425	775 <sup>2</sup>
<b>Group Communities:</b>									
Saint Johns .....	637	88.7	33.1	97.3	44.0	565	187	182	50
Seads Grove .....	742	56.3	28.3	71.2	8.3	417	118	84	7
Johns Station .....	582	73.5	35.2	93.7	31.6	428	142	133	42
Falkland .....	491	87.6	16.9	41.1	17.4	338	56	23	4
Grimesland .....	677	38.3	17.8	69.6	50.0	359	46	32	16
Rosewood .....	584	75.7	18.3	98.8	46.3	442	81	80	37
Smiths Chapel .....	757	67.0	43.3	100.0	8.6	507	212	219	19
Eureka .....	585	77.6	10.8	100.0	46.9	455	49	42	23
Kitchings Mills .....	991	86.5	8.3	2.8	-- <sup>2</sup>	857	71	2	-- <sup>2</sup>
Bethcar .....	411	91.0	29.1	100.0	8.3	374	109	106	9
Otts .....	308	91.9	21.2	100.0	3.3	282	50	60	2
Courtland .....	342	81.3	2.5	100.0	100.0	281	7	7	7
Sebrell .....	743	81.5	19.5	100.0	44.1 <sup>2</sup>	608	118	118	52
Sedley .....	885	50.5	16.8	100.0	--	447	75	75	-- <sup>2</sup>
<b>Single Communities:</b>									
Cameron .....	1300	91.2	29.5	100.0	82.3	1185	350	350	318
Maurepas .....	1017	74.6	34.6	98.9	2.3 <sup>2</sup>	759	263	260	6 <sup>2</sup>
Choudrant .....	1180	51.5	41.1	-- <sup>2</sup>	-- <sup>2</sup>	608	250	266	-- <sup>2</sup>
Wheeler .....	1108	87.3	5.1	95.9	29.8	966	49	47	14
Eaton Grove .....	956	81.9	19.1	100.0	34.6	592	114	114	88
Salemburg .....	875	86.2	33.3	100.0	57.8	754	251	251	145
Philadelphus .....	941	81.4	28.3	81.1	6.8	766	217	177	12
Red Oak .....	1135	96.1	25.8	81.1	13.1	1091	281	228	30
Hallsboro .....	1245	99.4	38.7	100.0	19.4	1237	479	479	93
Mount Pleasant .....	801	77.9	15.9	96.0	4.2	634	99	95	5
Ingold .....	551	66.2	27.9	89.2	11.9 <sup>2</sup>	365	102	91	10 <sup>2</sup>
Reidville .....	1088	30.2	17.9	5.1	-- <sup>2</sup>	329	59	3	-- <sup>2</sup>
Sunnyside .....	629	73.1	6.1	90.3	14.3	511	31	28	4
Albemarle .....	1473	65.6	3.7	100.0	86.1	966	36	36	31

\* Figures for work outside of community boundaries are excluded.

<sup>1</sup> It is the custom to administer from one to three treatments. These treatments generally produce cures. For determining positively which cases have been cured, a microscopic re-examination is required from two to eight weeks after treatment. Often this re-examination is not feasible. Consequently, the number of persons recorded as cured is reduced.

<sup>2</sup> The percentage of persons cured has been obtained by deducting 346 from the total number of persons treated (3,598), leaving 3,252 as the adjusted total of persons treated on which to base the percentage of persons cured. In Choudrant, Reidville, Kitchings Mills, and Sedley communities, microscopic re-examinations for determining the number of persons cured were not made; consequently, the number of persons treated in these communities (Choudrant 366, Reidville 3, Kitchings Mills 2, Sedley 75; total 346) is deducted from the figures for persons treated in all of the communities. By making this deduction the true proportion of persons cured to persons treated is preserved.

<sup>1</sup> See note <sup>2</sup> following Table 5.



6. Per Capita Expenditure: Average for Each Community. The per capita expenditure by the International Health Commission in the twenty-eight communities completed up to June 30, 1915, was approximately \$1.02. The total amount expended was approximately \$23,505.24; the total population, 23,105 persons.

Practically all of the expense in these twenty-eight communities, marking the earliest stage in community work, was borne by the International Health Commission; later, however, the local agencies (states, counties, and communities) have come to share very largely in financing this work.

Table 6 gives the per capita expenditure, the amount expended, and the population for each community:

Community	Per Capita Expenditure <sup>1</sup>	Amount Expended <sup>2</sup>	Population
<b>TOTAL . . . . .</b>	<b>\$1.02</b>	<b>\$23,505.24</b>	<b>23,105</b>
Group Communities . . .	.97	8,431.43	8,738
Single Communities . . .	1.05	15,073.81	14,369
<b>Group Communities:</b>			
Saint Johns . . . . .	1.22	777.33	637
Sneads Grove . . . . .	.86	637.68	742
Johns Station . . . . .	1.04	604.80	582
Falkland . . . . .	1.61	792.83	491
Grimesland . . . . .	.88	597.32	677
Rosewood . . . . .	1.06	621.01	584
Smiths Chapel . . . . .	.91	689.03	757
Eureka . . . . .	.98	573.42	566
Kitchens Mills . . . . .	.51	502.18	991
Bethcar . . . . .	.90	371.84	411
Otts . . . . .	.71	218.40	308
Courtland . . . . .	2.81	959.59	342
Serell . . . . .	.78	575.88	743
Sedley . . . . .	.58	510.12	885
<b>Single Communities:</b>			
Cameron . . . . .	.64	838.80	1,300
Maurepas . . . . .	.86	877.54	1,017
Choudrant . . . . .	.62	736.28	1,180
Wheeler . . . . .	1.51	1,770.80	1,108
Eaton Grove . . . . .	1.65	1,575.08	956
Salemburg . . . . .	.47	410.08	875
Philadelphia . . . . .	1.46	1,370.04	941
Red Oak . . . . .	1.21	1,370.04	1,135
Haliboro . . . . .	.95	1,174.32	1,245
Mount Pleasant . . . . .	1.20	959.96	801
Ingold . . . . .	1.03	566.52	551
Reidville . . . . .	1.05	1,146.36	1,088
Sunnyside . . . . .	1.40	978.60	699
Albemarle . . . . .	.86	1,297.39	1,473

<sup>1</sup> Represents expenditure by International Health Commission only; amounts expended by states, counties, or communities excluded.

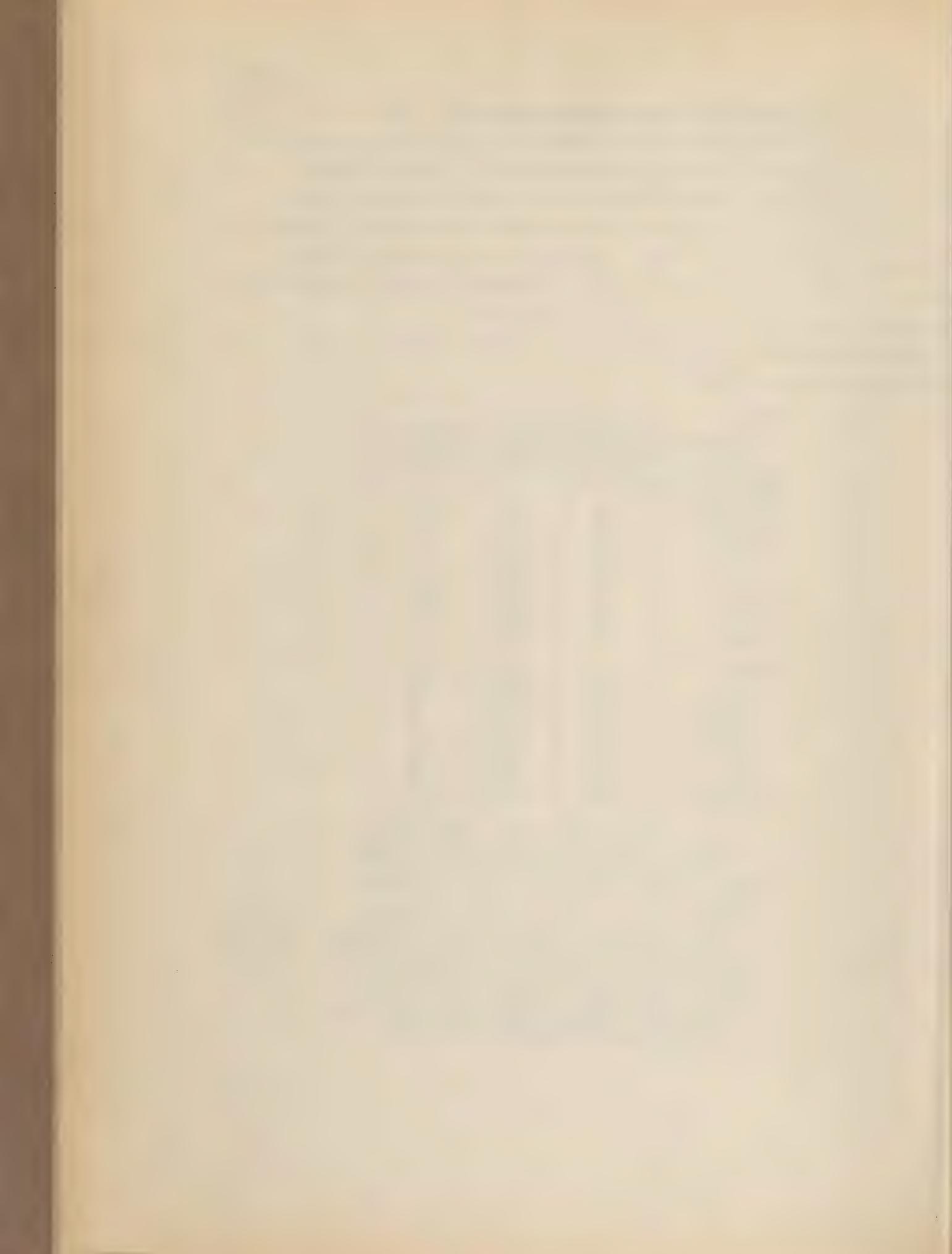
<sup>2</sup> The amount expended in each community is figured as follows:

Pro-rates and charge director's salary and expenses by actual time spent in each community. For instance, if in three communities the work in the first consumed 110 days; in the second 90 days (starting 20 days after the first); and in the third 60 days (starting 50 days after the first), the method of calculating per capita cost would be:

Charge to the first community the full salary and expenses of the director for 20 days, plus one-half salary and expenses for 30 days, plus one-third salary and expenses for 60 days, plus full salary of microscopist for 110 days. To the second community charge one-half salary and expenses of the director for 30 days, plus one-third salary and expenses for 60 days, plus full salary of microscopist for 90 days. To the third community charge one-third salary and expenses of the director for 60 days, plus full salary of the microscopist for 60 days.

The sum of the amounts obtained for each of the three communities will then give the total net expenditure for the working unit.

In cases where one community is worked as a unit, charge to the community the full salary and expenses of the director plus full salary of the microscopist for the actual time spent in the community.



7. Comparison of Results: Group-Community Plan with Single-Community Plan.

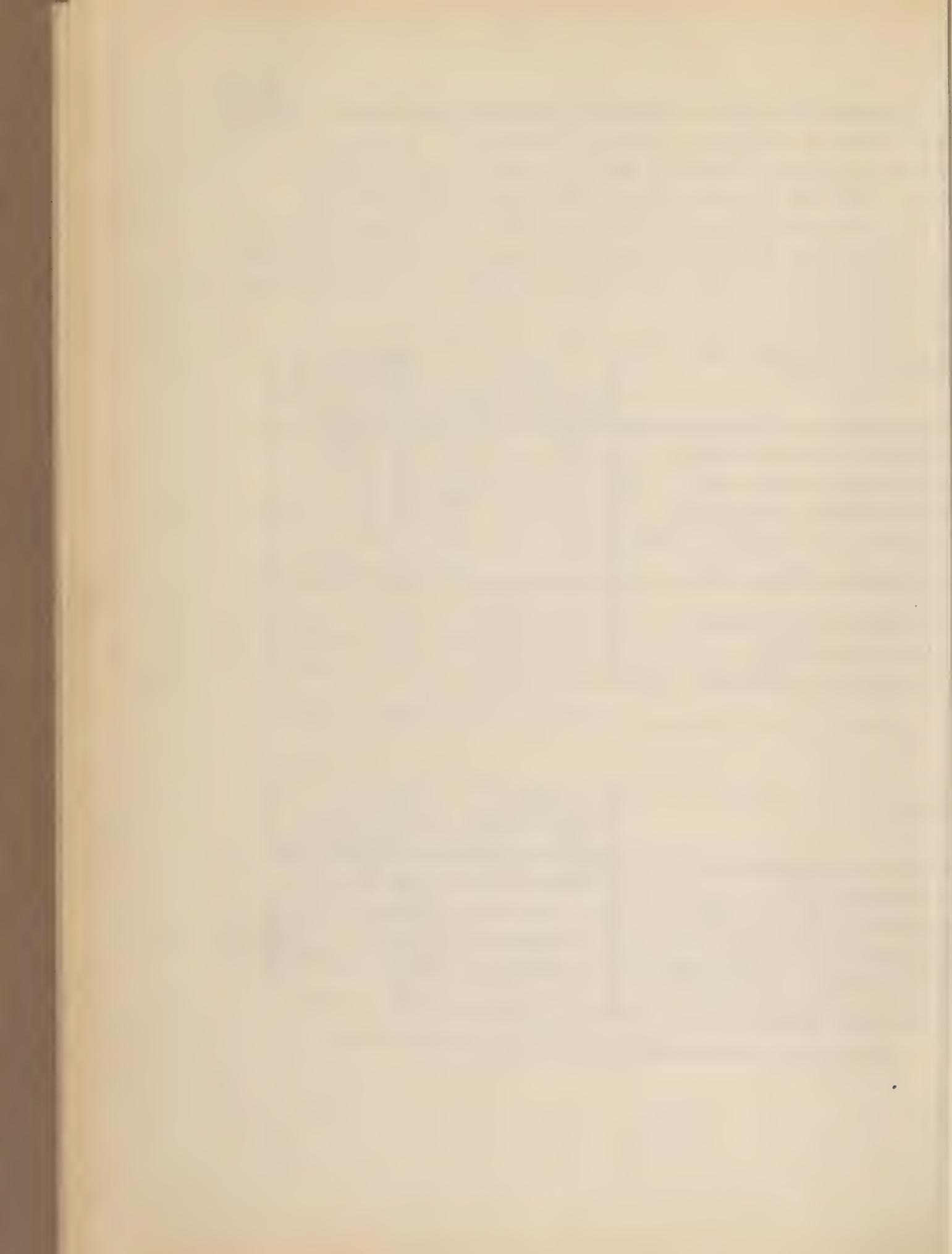
Table 7 affords an interesting comparison of average results per working unit under the two methods of operation: the group-community plan and the single-community plan. We find that for a per capita expenditure 8 per cent less, the group-community plan covered an area 100 per cent larger, reached 70 per cent more persons and 90 per cent more families, and did this in 7 per cent fewer days than the single-community plan. From this it would seem that the group-community plan is much the more effective:

Table 7	STYLE OF WORKING UNIT		Percentage of Difference in Favor of Communities Worked in Groups
	Groups of Communities	Single Community	
1. Per capita expenditure, Average .....	\$.97	\$1.05	8.2%
2. Area covered (sq.mi.), Average .....	60	30	100.0
3. Census of areas covered, Average .....	1747	1026	70.3
4. Families in areas covered, Average ..	370	190	94.7
5. Length of time spent in areas (days), Average .....	121	130	7.4
6. Communities worked, Number .....	14	14	----
7. Working units, Number .....	5	14	----
8. Communities per working unit, Number.	2-4/5	1	----

In Table 8 the total figures are given from which the averages in Table 7 were derived:

Table 8	STYLE OF WORKING UNIT		Difference in Favor of Communities Worked in Groups*
	Groups of Communities	Single Community	
1. Expenditure, Total .....	\$8,431.43	\$15,073.81	\$6,642.38
2. Area covered (sq. mi.), Total .....	300	419	- 119
3. Census of areas covered, Total .....	8736	14369	- 5633
4. Families in areas covered, Total .....	1851	2656	- 805
5. Length of time spent in areas (days), Total .....	706	1817	- 1111

\* A minus sign (-) denotes difference in favor of single-community plan.

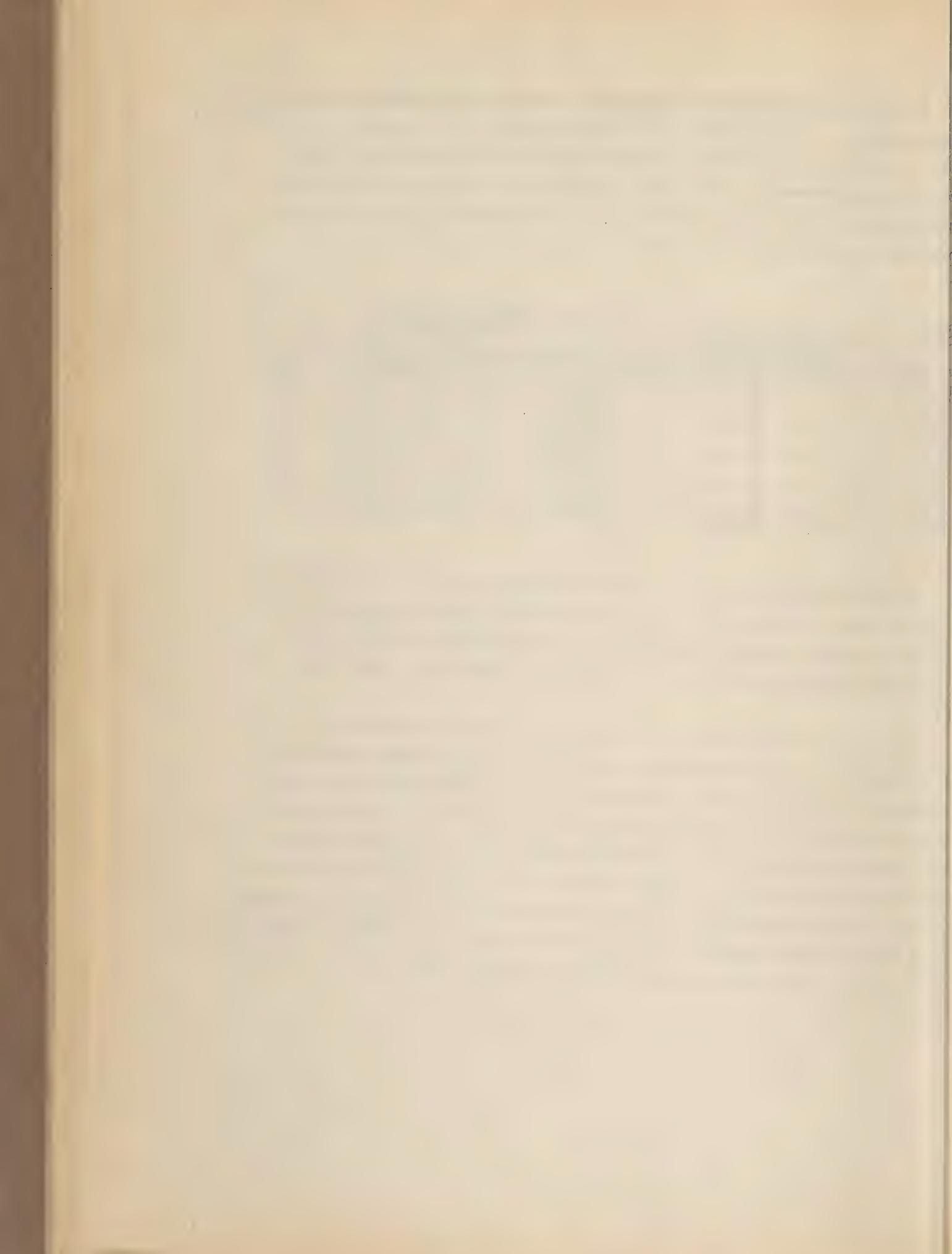


8. Comparison of Per Capita Expenditures: Group-Community Plan with Single-Community Plan. Table 9 shows the per capita expenditure for communities worked under the group plan to be \$.97, as compared with \$1.05 for communities worked under the single-community plan. The figures for each of the nineteen working units (fourteen on the single and five on the group-community plan) completed up to June 30, 1915, are given in detail:

COMMUNITIES WORKED IN GROUPS				COMMUNITIES WORKED SINGLY			
Community	Per Capita Expenditure	Amount Expended	Population	Community	Per Capita Expenditure	Amount Expended	Population
TOTAL .....	\$.97	\$8,431.43	8,736	TOTAL .....	\$1.05	\$15,073.81	14,369
Saint Johns .....				Cameron .....	.84	838.80	1,300
Sneads Grove .....	1.03	3,019.81	1,961	Maurepas .....	.86	877.54	1,017
Johns Station .....				Choudrant .....	.62	736.28	1,180
Palmer .....	1.19	1,390.15	1,168	Wheeler .....	1.51	1,776.80	1,108
Grimesland .....				Eaton Grove .....	1.65	1,575.08	956
Rosewood .....				Salenburg .....	.47	410.08	875
Smiths Chapel .....	.98	1,883.46	1,927	Philadelphia .....	1.46	1,370.04	941
Eureka .....				Red Oak .....	1.21	1,370.04	1,135
Kitchings Mills .....				Hallsboro .....	.95	1,174.32	1,245
Bethcar .....	.64	1,092.42	1,710	Mt. Pleasant .....	1.20	959.96	801
Otts .....				Ingold .....	1.03	568.52	551
Courtland .....				Reidville .....	1.05	1,146.36	1,088
Sebrell .....	1.04	3,045.59	1,970	Sunnyside .....	1.40	978.60	699
Sedley .....				Albemarle .....	.88	1,297.39	1,473

It will be seen that the work was most expensive in the Eaton-Grove community (single), where the expenditure per person was \$1.65; and least expensive in the Choudrant (single), Cameron (single), and Kitchings Mills-Bethcar-Otts (group) communities, where the expenditure per person was, respectively, \$.62, \$.64, and \$.64.

The results in the Kitchings Mills-Bethcar-Otts group of communities, worked as a single unit, were particularly gratifying. For a per capita expenditure averaging \$.64 it was possible, in a period of time extending but three months four days, to have privies constructed at 190 of the 374 homes in these communities, reducing the percentage of families without privies from 58.0 per cent (217) to 7.2 per cent (27); to examine 82.6 per cent (1413) of the 1710 persons residing in these communities; to treat 46.3 per cent (111) of the 17.0 per cent (240) who were found infected; and to cure 4.6 per cent (11) of those who were treated. The total area of these communities was fifty square miles.



Chapter II - Results in Communities Not Completed - Up to June 30, 1915.\*

1. Extent of Operations. In addition to the twenty-eight communities in which work has been completed (see Chapter I), work was in progress in ten other communities but had not been completed up to June 30, 1915. Figures for the uncompleted work in these communities are given in this chapter. Final figures on the completed work in each community will be presented in the report for the quarter during which the work is completed.

The statistics in this chapter are interesting principally as showing how far the work has advanced in these communities. The figures are not final and no definite conclusions can be drawn from them: they are therefore presented without text discussion.

The tables are arranged in the following order:

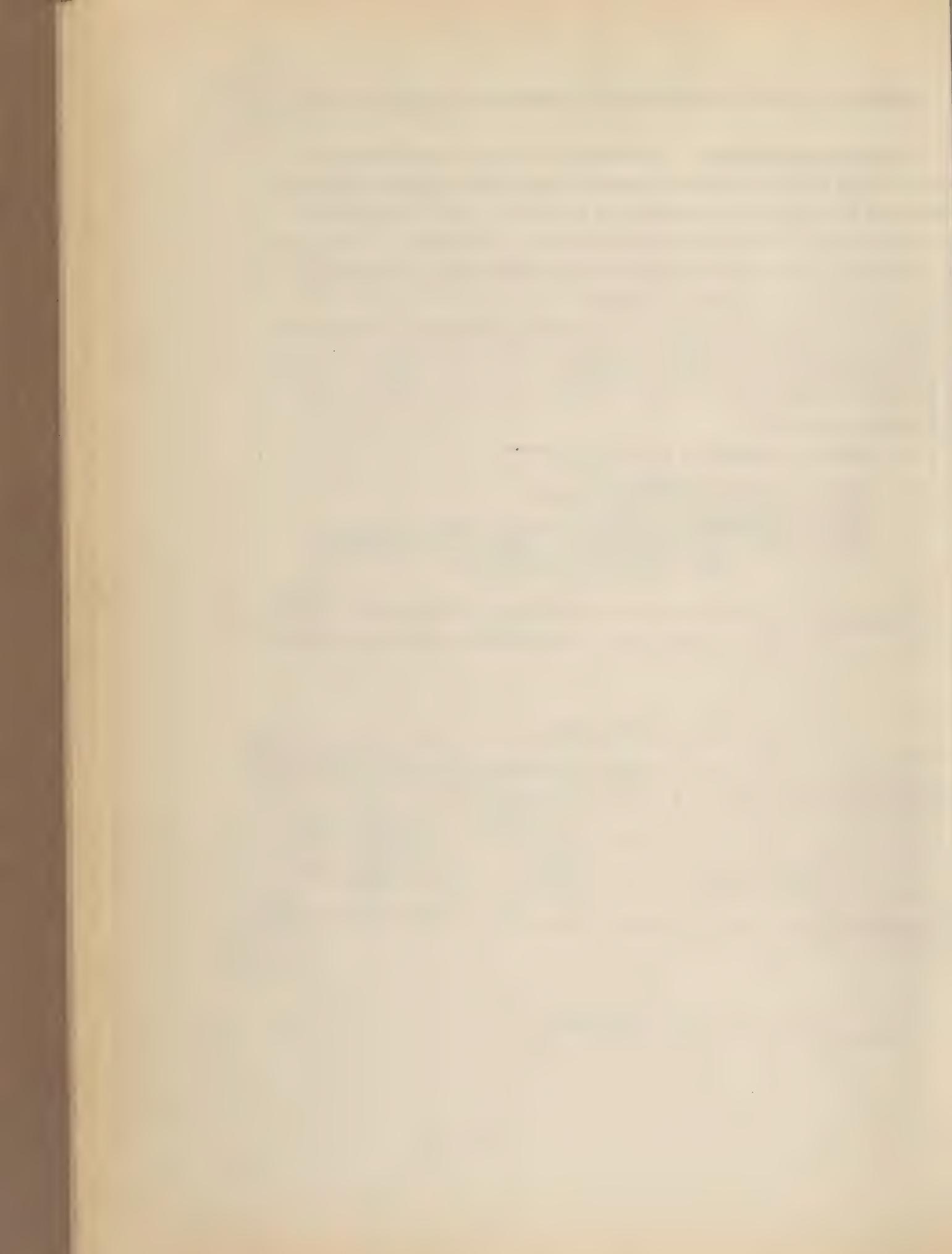
- Table 10 - Extent of Operations.
- Table 11 - Type of Communities Selected.
- Table 12 - Sanitary Improvement.
- Table 13 - Examining and Treating Infected Persons.
- Table 14 - Per Capita Expenditure: Average for Each Community.
- Table 15 - Per Capita Expenditure: Comparison of Group-Community Plan with Single-Community Plan.

2. Results. The results of work in communities not completed up to June 30, 1915, are summarized in Tables 10 to 15, which follow without text discussion:

EXTENT OF OPERATIONS

Table 10	Community	State	County	Director	Assistant Director	Work Began	Work Continued Until	Length of Time h. d.
<u>Group Communities:</u>								
Sunrise .....	Mississippi	Forrest	R.N. Whitfield	G.G. Hampton & B.R. Ott	Apr. 3, 1915	June 30, 1915	3 27	
Pine Gr.-Rodgers.	"	"	"	G.G. Hampton & I.B. Dubase	Apr. 10, 1915	June 30, 1915	2 20	
South East .....	"	"	"	G.G. Hampton & J.J. Edwards	May 29, 1915	June 30, 1915	1 1	
New Site .....	"	Prentiss	Henry Boswell	P.M. Eason	Apr. 10, 1915	June 30, 1915	2 20	
Marietta .....	"	"	"	J.E. Friday	Mar. 27, 1915	June 30, 1915	5 3	
Altitude .....	"	"	"	M. Boswell	May 8, 1915	June 30, 1915	1 22	
Bethlehem .....	South Carolina	Darlington	F.M. Routh	F.C. Polk	May 1, 1915	June 30, 1915	" --	
Antioch .....	"	"	"	Kolbe Curtice	May 1, 1915	June 30, 1915	" --	
Providence .....	"	"	"	J.Q. Peebles	May 1, 1915	June 30, 1915	" --	
<u>Single Communities:</u>								
Straight Creek...	Kentucky	Bell	J.S. Lock	Miss McPherson	Moh. 6, 1915	June 30, 1915	3 24	

\* Figures in this chapter are cumulative.



Community	Area (Sq.mi.)	Number of Inhabitants			Number of Families			Number of Tenant Families			Number of Schools	Number of Days Work Was In Progress
		Total	White	Colored	Total	White	Colored	Total	White	Colored		
AVERAGE .....	21	110	95	15	24	20	4	21	17	4	3	73
Group Communities .....	23	755	595	160	151	121	30	79	53	26	2	68
Single Communities .....	9	1096	944	152	235	199	36	208	172	36	2	116
<b>TOTAL .....</b>	<b>205</b>	<b>7892</b>	<b>6296</b>	<b>1596</b>	<b>1593<sup>1</sup></b>	<b>1284</b>	<b>309</b>	<b>920</b>	<b>645</b>	<b>275</b>	<b>24</b>	<b>726</b>
Group Communities .....	196	6796	5352	1444	1358 <sup>1</sup>	1085	273	712	473	239	32	610
Single Communities .....	9	1096	944	152	235	199	36	208	172	36	2	116
<b>Group Communities:</b>												
Sunrise .....	18	386	376	10	73	71	2	20	18	2	1	88
Pine Grove-Rodgers ..	21	373	292	81	71	52	19	15	8	7	3	81
South East .....	20	258	198	60	56	43	13	25	18	7	-	32
New Site .....	49	1168	1168	--	262	262	--	108	108	--	5	95
Marietta .....	24	1063	1061	2	216	216	--	107	107	--	5	81
Altitude .....	18	898	898	--	173	173	--	75	75	--	4	53
Bethlehem .....	16	979	660	319	189 <sup>1</sup>	125	64	121	61	60	1	60
Antioch .....	15	883	230	653	148 <sup>1</sup>	40	108	118	22	96	2	60
Providence .....	15	788	469	319	170	103	67	123	56	67	2	60
<b>Single Communities:</b>												
Straight Creek .....	9	1096	944	152	235	199	36	208	172	36	2	116

<sup>1</sup> See note <sup>2</sup> following Table 12.  
SANITARY IMPROVEMENT.

Community <sup>1</sup>	Number of Families in Community	Percentage of Families				Number of Families			
		Without Privies		With Privies		Without Privies		With Privies	
		When Work Ended*	When Work Began	When Work Ended*	When Work Began	When Work Ended*	When Work Began	When Work Ended*	When Work Began
<b>TOTAL .....</b>	<b>1532<sup>2</sup></b>	<b>57.1</b>	<b>74.0</b>	<b>42.9</b>	<b>26.0</b>	<b>875</b>	<b>1134</b>	<b>657</b>	<b>398</b>
Group Communities .....	1297 <sup>2</sup>	64.1	73.9	35.9	26.1	832	958	465	339
Single Communities .....	235	18.3	74.9	81.7	25.1	43	176	192	59
<b>Group Communities:</b>									
Sunrise .....	73	24.7	57.5	75.3	42.5	18	42	55	31
Pine Grove-Rodgers ..	71	26.8	77.5	73.2	22.5	19	55	52	16
South East .....	56	19.6	32.1	80.4	67.9	11	18	45	38
New Site .....	263	92.4	97.7	7.6	2.3	242	256	20	6
Marietta .....	216	81.9	89.3	18.1	10.7	177	193	39	23
Altitude .....	173 <sup>2</sup>	88.8	94.8	11.2	5.2	158	164	15	9
Bethlehem .....	103 <sup>2</sup>	40.8	49.5	59.3	50.5	42	51	61	55
Antioch .....	248 <sup>2</sup>	52.0	54.0	48.0	46.0	129	134	119	114
Providence .....	95 <sup>2</sup>	37.9	47.4	62.1	52.6	36	45	59	50
<b>Single Communities:</b>									
Straight Creek .....	235	18.3	74.9	81.7	25.1	43	176	192	59

\* Refers to status of work at close of quarter, June 30, 1915; in none of these communities had the work ended up to June 30.

<sup>1</sup> Figures for work outside of community boundaries are excluded.

<sup>2</sup> The "Number of Families in Community" reported in Table 11 does not agree with the "Number of Families in Community" reported in Table 12. The difference of 61 exists in Bethlehem, Antioch, and Providence communities. The census figures for these communities show 189, 148, and 170 families, respectively; the figures for the sanitary survey show 103, 248, and 95, respectively. An effort will be made to adjust this in the next report.



Community <sup>1</sup>	Population	Percentage of Persons			Number of Persons			
		Microscopically Examined	Found Infected	Treated	Cured <sup>2</sup>	Microscopically Examined	Found Infected	Treated
<b>TOTAL . . . . .</b>	7892	43.1 <sup>3</sup>	26.3 <sup>3</sup>	98.3 <sup>3</sup>	62.7 <sup>3</sup>	3892	1331	1329
Group Communities . . .	6796	34.5	36.3	97.7	--	2902	1079	1077
Single Communities . . .	1096	90.3	25.5	100.0	62.7	990	252	252
<b>Group Communities:</b>								
Sunrise . . . . .	386	43.8	30.2	84.3	--	169	51	43
Pine Grove-Rodgers.	373	63.5	38.4	90.1	--	237	91	82
South East . . . . .	258	57.4	29.7	100.0	--	148	44	44
New Site . . . . .	1168	25.3	58.6	100.0	--	295	173	173
Marietta . . . . .	1063	16.0	39.5	--	--	170	67	82
Altitude . . . . .	598	27.3	53.1	100.0	--	245	130	130
Bethlehem . . . . .	979	44.7	25.8	100.0	--	438	113	113
Antioch . . . . .	883	41.9	40.8	100.0	--	370	151	151
Providence . . . . .	788	--	--	--	--	830	259	259
<b>Single Communities:</b>								
Straight Creek . . . . .	1096	90.3	25.5	100.0	62.7	990	252	158

<sup>1</sup> Figures for work outside of community boundaries are excluded.

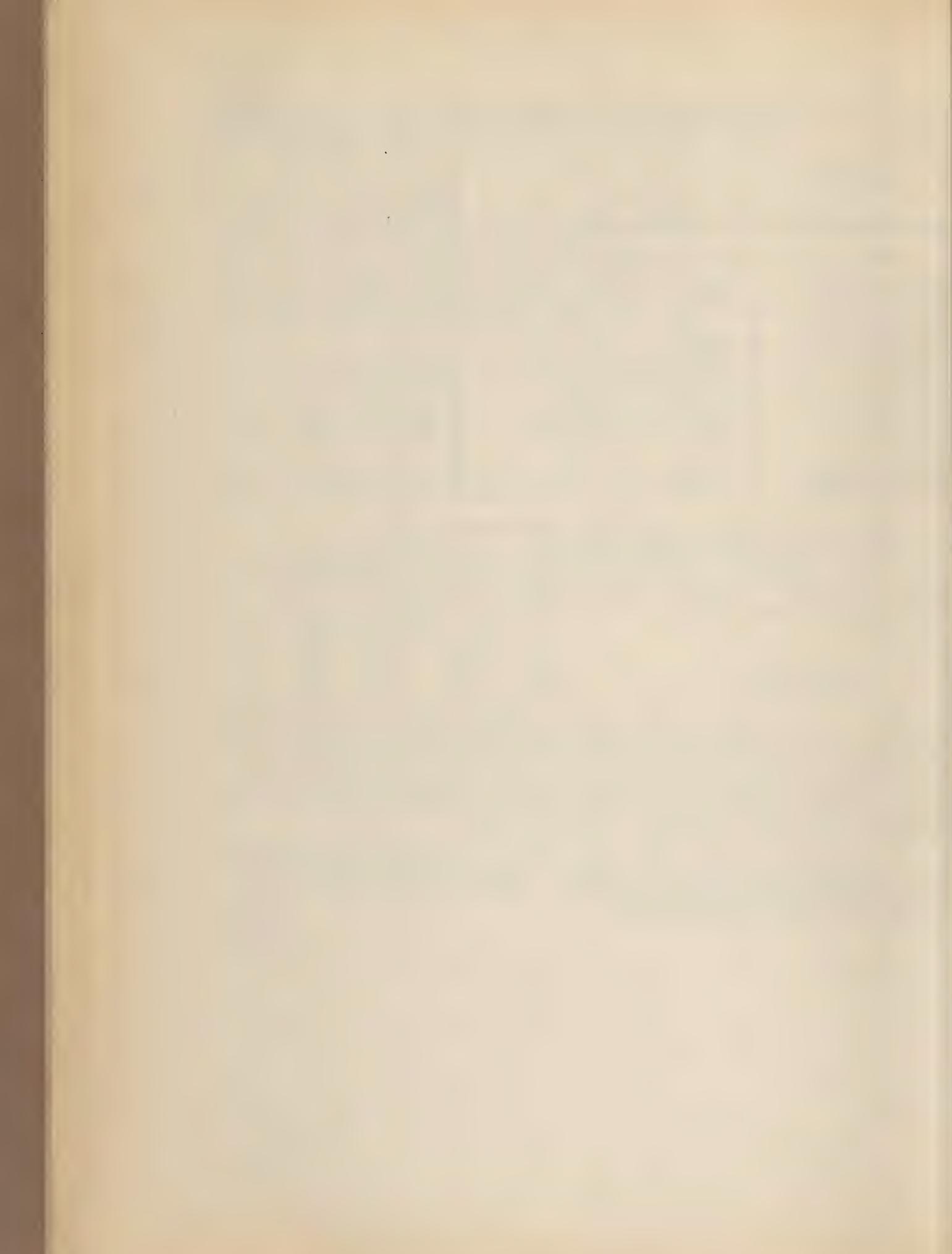
<sup>2</sup> See footnote 1 following Table 5, page 10.

<sup>3</sup> These percentages are not based on the number of persons reported in the columns headed "Population," "Number of Persons Microscopically Examined," "Number of Persons Found Infected," "Number of Persons Treated," and "Number of Persons Cured", as shown in Table 13. Instead, the figures on which the percentages are based are shown below as "Adjusted Totals":

	Population	Examined	Number of Persons Infected	Treated	Cured
Totals in Table 13 . . . . .	7892	3892	1331	1329	158
ADJUSTED TOTALS . . . . .	7104	3062	1005	988	158
Difference . . . . .	788	830	326	341	--

In Providence community the number of persons reported examined exceeded the population; and in Marietta community the number reported treated exceeded the number reported found infected. The figures for Providence community have therefore been omitted in the adjusted totals for all four headings (788 from "Population," 830 from "Number of Persons Microscopically Examined," 259 from "Number of Persons Found Infected," and 259 from "Number of Persons Treated;" while the 67 persons reported found infected and the 82 persons reported treated in Marietta community have been omitted from the adjusted totals under the headings "Number of Persons Found Infected," and "Number of Persons Treated." An effort will be made to adjust this in the next report.

The percentage of persons cured is based on 252 as the number of persons treated. In no community except Straight Creek has the work advanced to the stage where microscopic re-examinations for determining cures are made. Consequently, the true proportion of persons cured to persons treated is preserved by omitting figures for persons treated in communities other than Straight Creek.



PER CAPITA EXPENDITURE: AVERAGE FOR EACH COMMUNITY. 17.

Table 14

Community	Per Capita Expenditure <sup>1</sup>	Amount Expended <sup>2</sup>	Population
<b>TOTAL .....</b>	<b>\$.50</b>	<b>\$3,947.55</b>	<b>7,892</b>
Group Communities ...	.42	2,866.43	6,796
Single Communities ..	.99	1,081.12	1,096
<b>Group Communities:</b>			
Sunrise .....	1.21	468.09	386
Pine Grove-Rodgers.	1.08	402.92	373
South East .....	.52	134.40	258
New Site .....	.43	506.38	1,168
Marietta .....	.35	376.04	1,063
Altitude .....	.25	222.60	898
Bethlehem .....	.26	252.00	979
Antioch .....	.29	252.00	883
Providence .....	.32	252.00	788
<b>Single Communities:</b>			
Straight Creek ....	.99	1,081.12	1,096

<sup>1</sup> See footnote <sup>1</sup> following Table 6, page 11.

<sup>2</sup> See footnote <sup>2</sup> following Table 6, page 11.

PER CAPITA EXPENDITURE: COMPARISON OF GROUP-COMMUNITY PLAN WITH SINGLE-COMMUNITY PLAN.

Table 15

COMMUNITIES WORKED IN GROUPS				COMMUNITIES WORKED SINGLY			
Community	Per Capita Expenditure	Amount Expended	Population	Community	Per Capita Expenditure	Amount Expended	Population
<b>TOTAL .....</b>	<b>\$.42</b>	<b>\$2,866.43</b>	<b>6,796</b>	<b>TOTAL .....</b>	<b>\$.99</b>	<b>\$1,081.12</b>	<b>1,096</b>
Sunrise .....							
Pine Grove-Rodgers ..	.99	1,005.41	1,017				
South East .....							
New Site .....							
Marietta .....	.35	1,105.02	3,129	Straight Creek .....	.99	1,081.12	1,096
Altitude .....							
Bethlehem .....							
Antioch .....	.29	756.00	2,650				
Providence .....							



Chapter III - Results in Communities Completed and Not Completed  
 Quarter Ending June 30, 1915.\*

The figures in this chapter relate solely to results accomplished in community work during the quarter ending June 30, 1915. These figures are included in the statistics in Chapters I and II, but for comparative purposes are here presented separately.

Table 16, in which the results for the quarter are summarized, shows that a total of 190 new privies were erected in the seventeen communities where work was in progress at different periods during the quarter. The number of persons microscopically examined in these communities was 4,834; the number found infected, 1,456; the number treated, 1,452; the number cured, 158. Work was in progress a total of 1,131 days.

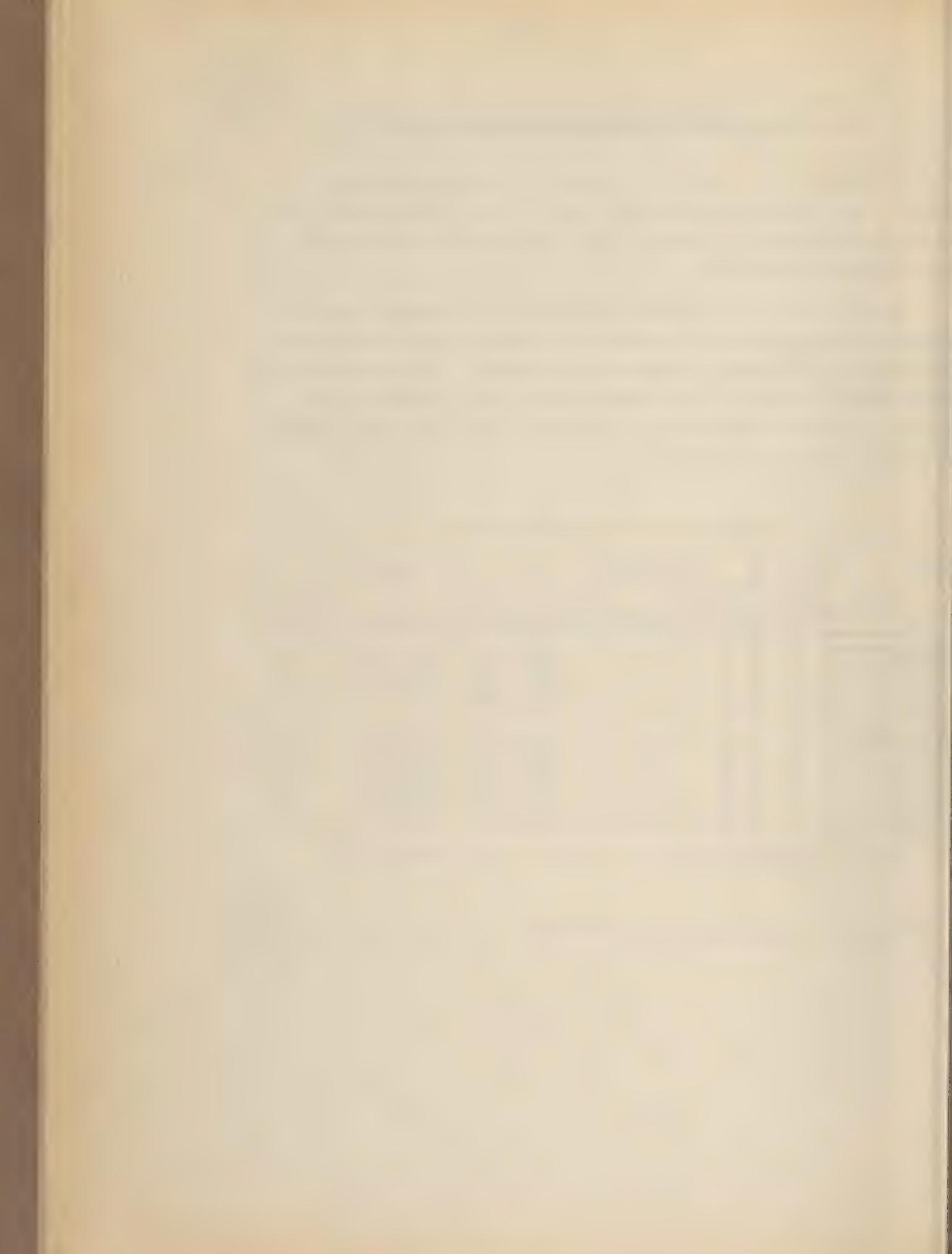
RESULTS IN COMMUNITY WORK DURING QUARTER ENDING JUNE 30, 1915.

Community	Sanitary Improvement	Examining and Treating Infected Persons				Period of Operation		
		Number of New Privies Built	Number of Persons			From	To	Number of Days
			Microscopically Examined	Found Infected	Treated			
<u>TOTAL</u>		190	4834	1456	1452	158	-----	1131
<u>Completed Communities:</u>								
Eaton Grove .....		19	88	22	22	22	April 1, 1915	June 19, 1915
Kitchens Mills ...		--	--	--	--	--	April 27, 1915	26
Bethcar .....		16	--	--	--	--	April 27, 1915	26
Otts .....		--	--	--	--	--	April 27, 1915	26
Courtland .....		--	105	11	9	8	April 1, 1915	May 31, 1915
Sebrall .....		11	606	118	118	22	April 1, 1915	July 24, 1915 <sup>2</sup>
Sedley .....		1	447	75	75	--	April 10, 1915	July 24, 1915 <sup>2</sup>
<u>Uncompleted Communities:</u>								
Straight Creek .....		17	222	147	147	70	April 1, 1915	June 30, 1915
Sunrise .....		24	169	51	43	--	April 3, 1915	June 30, 1915
Pine Grove-Rodgers.		36	237	91	82	--	April 10, 1915	June 30, 1915
South East .....		7	148	44	44	--	May 20, 1915	June 30, 1915
New Site .....		14	295	173	173	--	April 10, 1915	June 30, 1915
Marietta .....		16	170	67	52	--	April 1, 1915	June 30, 1915
Altitude .....		6	245	130	130	--	May 8, 1915	June 30, 1915
Bethlehem .....		--	438	113	113	--	May 1, 1915	June 30, 1915
Providence .....		--	830	222	259	--	May 1, 1915	June 30, 1915
Antioch .....		5	370	151	151	--	May 1, 1915	June 30, 1915

<sup>1</sup> See footnote <sup>1</sup> following Table 5, page 10.

<sup>2</sup> Included as completed during second quarter, 1915, because work was so nearly finished on June 30, 1915.

\* Figures in this chapter are non-cumulative.



II. DISPENSARY WORK.Chapter I - Results in Dispensary Work - Up to June 30, 1915.\*

1. Plan of Work. The dispensary plan of work has three main features:

(1) the Dispensary Work proper, consisting of the microscopic examination of all persons submitting specimens and the treatment of all persons found infected; (2) an Infection Survey, consisting of the microscopic examination of a minimum of two hundred rural children of school age (6-18 years) taken at random in each county; and (3) a Sanitary Survey, consisting of the inspection of privy conditions at at least one hundred rural homes in each county. The infection and sanitary surveys are made as incidental features of the work, without increasing very greatly the expenditure of either time or money.

2. Extent of Operations. Dispensary work was concluded on June 30, 1915, in Georgia, Tennessee, and Texas. It had previously been closed in Alabama, Arkansas, Louisiana, Mississippi, North Carolina, South Carolina, and Virginia. This leaves only one state - Kentucky - in which dispensary work is still in progress.

3. Persons Microscopically Examined. The total number of persons microscopically examined for uncinariasis in the eleven Southern states, up to June 30, 1915, by the field staff and state laboratories combined, was 1,381,863. Of these, 1,193,997, or 86.4 per cent, were examined by the field staff; and 187,866, or 13.6 per cent, by the state laboratories. Table 17 shows by states the number of persons examined by both agencies up to June 30, 1915:

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\* Figures in this chapter are cumulative.

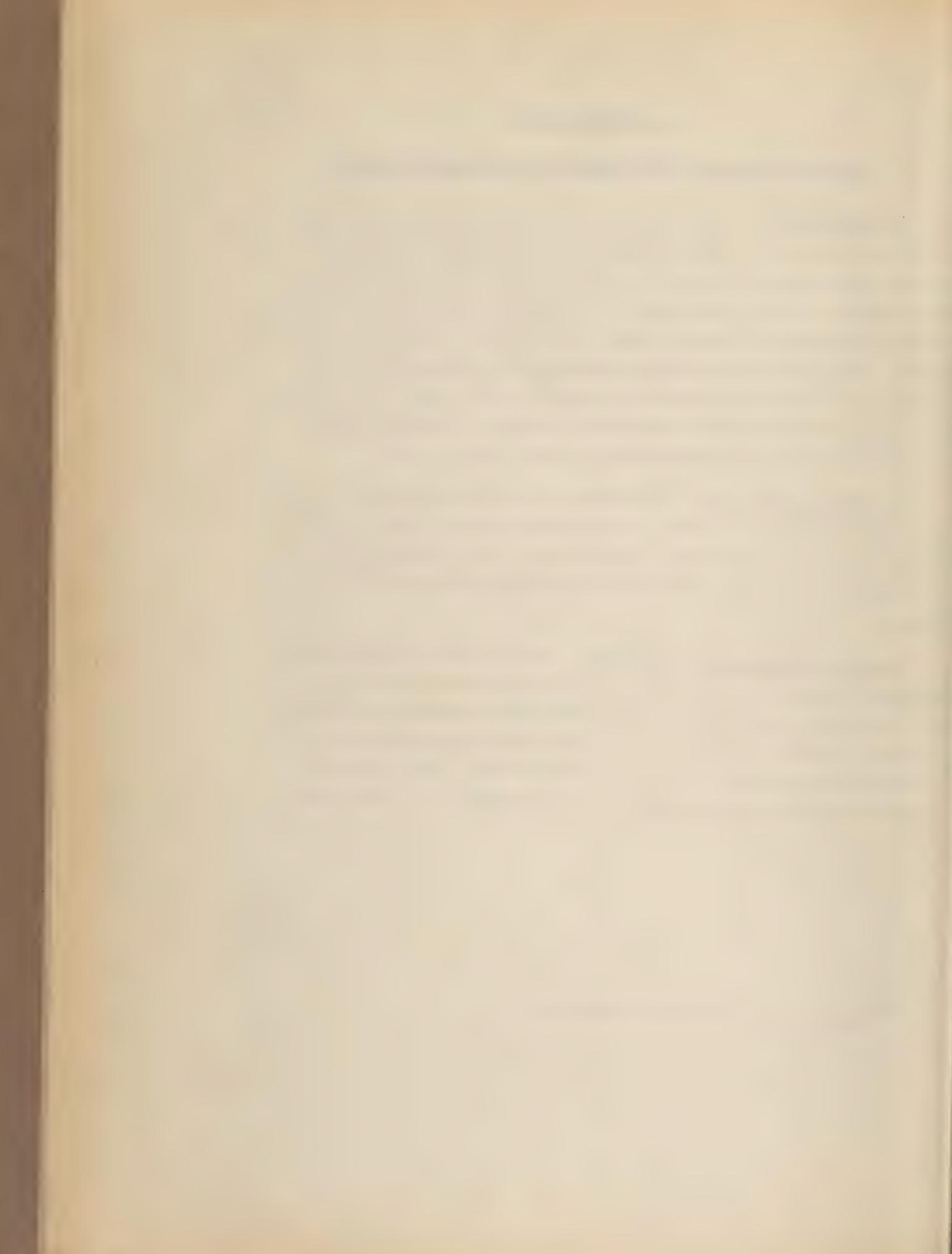


Table 17

State	TOTAL <sup>1</sup>	By Field Staff	By State Laboratory
TOTAL, .....	1,381,863	1,193,997	187,866
Alabama, .....	60,331	57,250	3,081
Arkansas, .....	54,465	52,970	1,495
Georgia, .....	153,633	137,740	15,893
Kentucky, .....	202,309	128,030	74,279
Louisiana, .....	59,548	55,002	4,546
Mississippi, ...	174,168 <sup>2</sup>	166,623 <sup>2</sup>	7,545
North Carolina, .	320,872 <sup>3</sup>	278,664 <sup>3</sup>	42,208
South Carolina,.	72,144	58,787	13,357
Tennessee, .....	96,760	93,090	3,670
Texas, .....	85,701	83,314	2,387
Virginia, .....	101,932	82,527	19,405

4. Persons Treated. A total of 726,184 persons was treated for uncinariasis in the eleven Southern States up to June 30, 1915. This includes the work of the field staff and practicing physicians. The number of persons treated by the field staff was 471,613, or 64.9 per cent; by the practicing physicians, 254,571, or 35.1 per cent.

Table 18 exhibits for each state the number of persons treated, and shows separately the number treated by the field staff and by practicing physicians:

Table 18

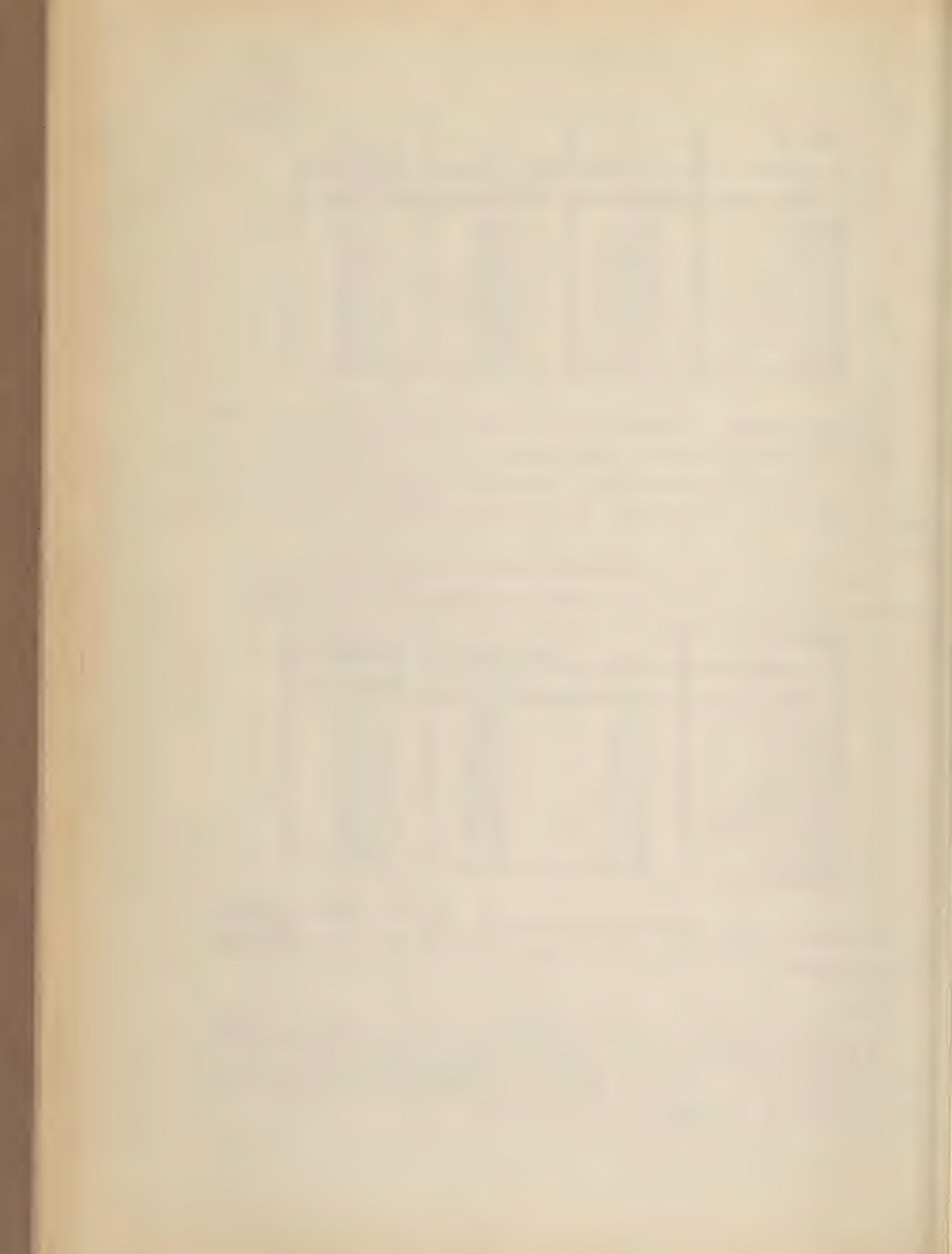
State	TOTAL <sup>1</sup>	By Field Staff	By Practicing Physicians
TOTAL, .....	726,184	471,613	254,571
Alabama, .....	53,160	45,019	8,141
Arkansas, .....	10,393	6,970	3,423
Georgia, .....	101,361	67,079	34,382
Kentucky, .....	103,693	37,916	65,777
Louisiana, .....	50,514	37,225	13,289
Mississippi, ...	112,737 <sup>2</sup>	73,919 <sup>3</sup>	38,818
North Carolina, .	160,689	98,990	61,699
South Carolina,.	51,337	38,411	12,926
Tennessee, .....	28,353	26,401	1,952
Texas, .....	28,341	22,574	5,667
Virginia, .....	25,706	17,109	8,597

5. Counties Having Dispensary Work Completed. The total number of counties having dispensary work completed up to June 30, 1915, was 693. Table 19 shows

<sup>1</sup> Includes both first and second campaigns.

<sup>2</sup> Owing to exclusion of Ashe county, N.C., from dispensary record, 505 has been deducted from the figures previously recorded for North Carolina dispensary work, <sup>3</sup> under heading of "Number of Persons Microscopically Examined."

<sup>3</sup> Owing to exclusion of Ashe county, N.C., from dispensary record, 22 has been deducted from the figures previously recorded for North Carolina dispensary work under heading of "Number of Persons Treated."



by states the number of counties in which dispensary work has been completed:

Table 19 STATE	Up to June 30, 1915	During Second Quarter, 1915	Prior to Second Quarter, 1915
TOTAL, .....	693	66	627
Alabama, .....	60	--	60
Arkansas, .....	43	--	43
Georgia, .....	134	41	93
Kentucky, .....	32	--	32
Louisiana, .....	49	--	49
Mississippi, ...	76	--	76 <sup>1</sup>
North Carolina,.	99	--	99
South Carolina,.	41	--	41
Tennessee, .....	61	9	52
Texas, .....	67	16	51
Virginia, .....	31	--	31

6. Counties Having Infection Surveys Completed. Infection surveys were completed in 685 counties up to June 30, 1915. Table 20 shows by states the number of counties in which infection surveys have been completed:

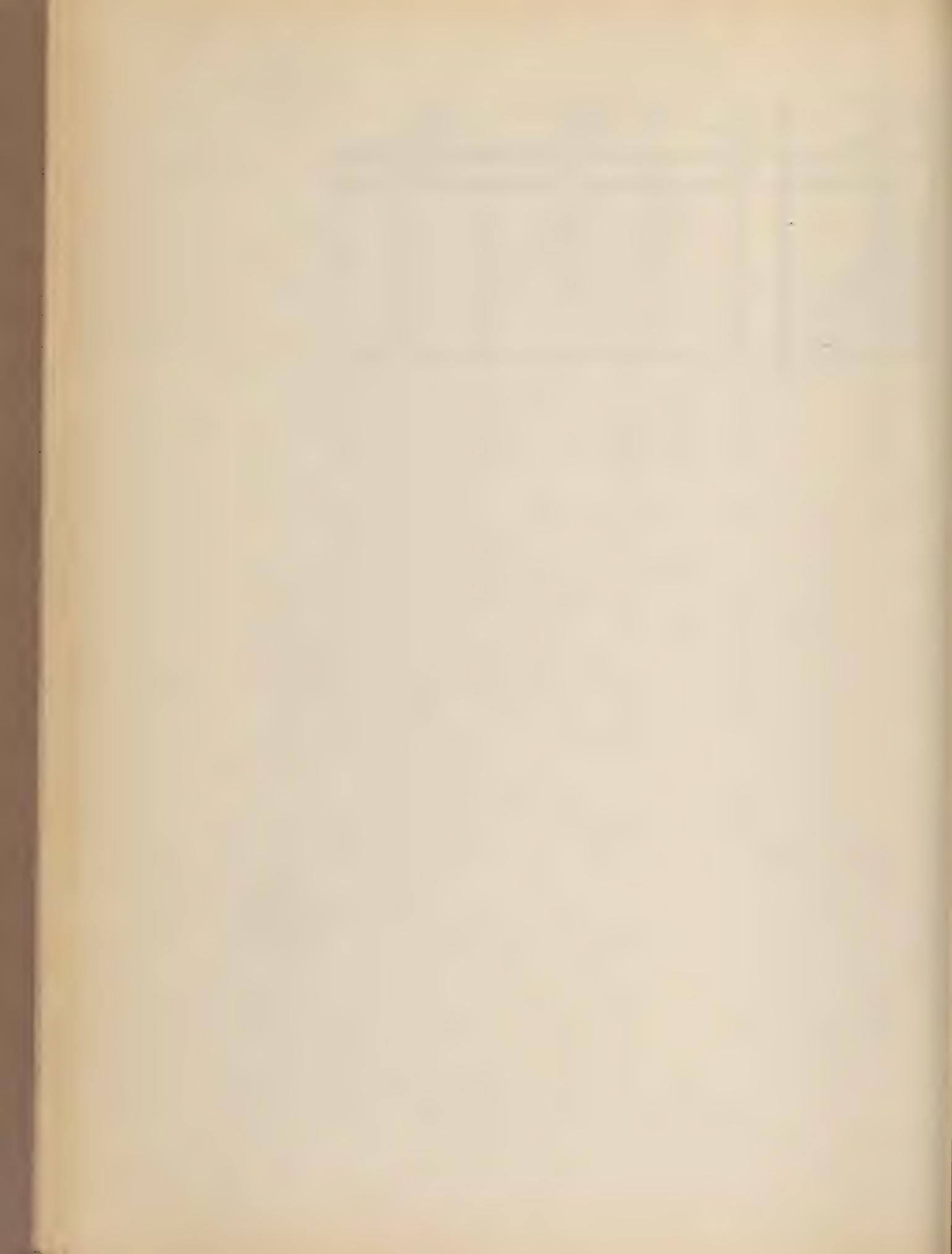
Table 20 STATE	Up to June 30, 1915	During Second Quarter, 1915	Prior to Second Quarter, 1915
TOTAL, .....	685	51	634
Alabama, .....	39	--	39
Arkansas, .....	48	--	48
Georgia, .....	120	28	92
Kentucky, .....	22	--	22
Louisiana, .....	55	--	55
Mississippi, ...	78	--	78
North Carolina,.	100	--	100
South Carolina,.	32	--	32
Tennessee, .....	71	9	62
Texas, .....	61	14	47
Virginia, .....	59	--	59

7. Counties Having Sanitary Surveys Completed. Up to June 30, 1915, sanitary surveys had been completed in 753 counties. The number of counties in each state in which this work has been completed is shown in Table 21 (on page 22):

<sup>1</sup> One less than previously reported, owing to exclusion of Ashe county, North Carolina from dispensary record.



<u>Table 21</u> STATE	Up to June 30, 1915	During Second Quarter, 1915	Prior to Second Quarter, 1915
<u>TOTAL, . . . . .</u>	<u>753</u>	<u>63</u>	<u>689</u>
Alabama, . . . . .	50	—	50
Arkansas, . . . . .	50	—	50
Georgia, . . . . .	131	39	92
Kentucky, . . . . .	37	—	37
Louisiana, . . . . .	55	—	55
Mississippi, . . . . .	77	—	77
North Carolina, . . . . .	100	—	100
South Carolina, . . . . .	41	—	41
Tennessee, . . . . .	80	8	72
Texas, . . . . .	64	16	48
Virginia, . . . . .	67	—	67



Chapter II - Results in Dispensary Work - Quarter Ending June 30, 1915.\*

1. Persons Microscopically Examined. The total number of persons microscopically examined for uncinariasis in the Southern States during the quarter ending June 30, 1915, was 59,143. Of these, 57,992, or 98.1 per cent, were examined by the staff; and 1,150, or 1.9 per cent, by practicing physicians. The number examined by both agencies in each state where dispensary work was in progress is shown in Table 22:

Table 22

State	TOTAL	By Field Staff	By State Laboratory
<u>TOTAL, .....</u>	<u>59,143</u>	<u>57,992</u>	<u>1,150</u>
Georgia, .....	35,599	35,133	466
Tennessee, .....	8,475	7,902	573
Texas, .....	15,068	14,957	111

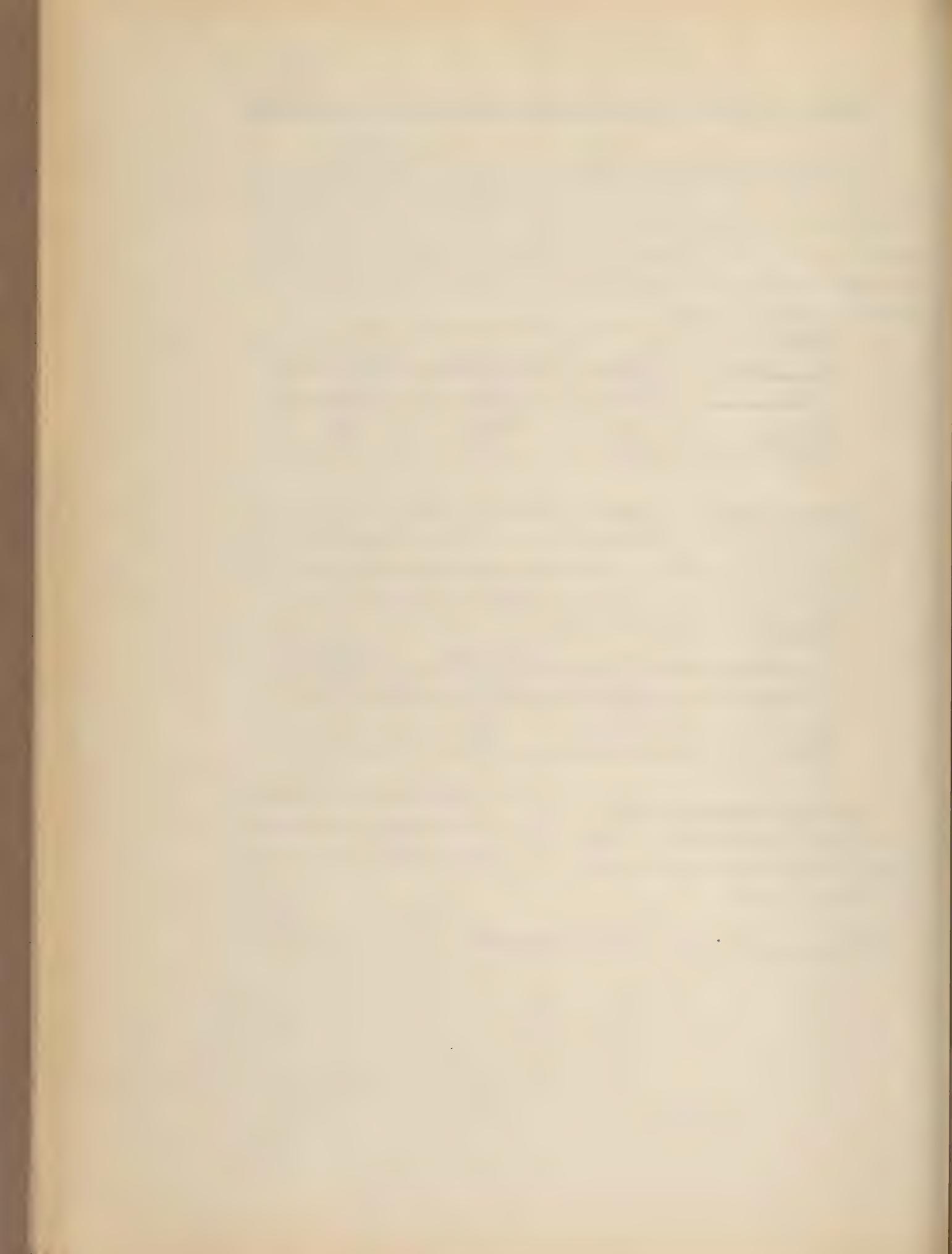
2. Persons Treated. A total of 14,793 persons was treated for uncinariasis during the quarter. Of these, 14,757, or 99.8 per cent, were treated by the field staff; and 35, or 0.2 per cent, by practicing physicians. Table 23 gives by states the number of persons treated by each agency:

Table 23

State	TOTAL	By Field Staff	By Practicing Physicians
<u>TOTAL, .....</u>	<u>14,793</u>	<u>14,757</u>	<u>35</u>
Georgia, .....	9,958	9,958	--
Tennessee, .....	828	828	--
Texas, .....	4,006	3,971	35

3. Results Itemized By States. Figures in detail showing the results accomplished in the states of Georgia, Tennessee, and Texas, where dispensary work was in progress during the quarter ending June 30, 1915, are given in the following pages:

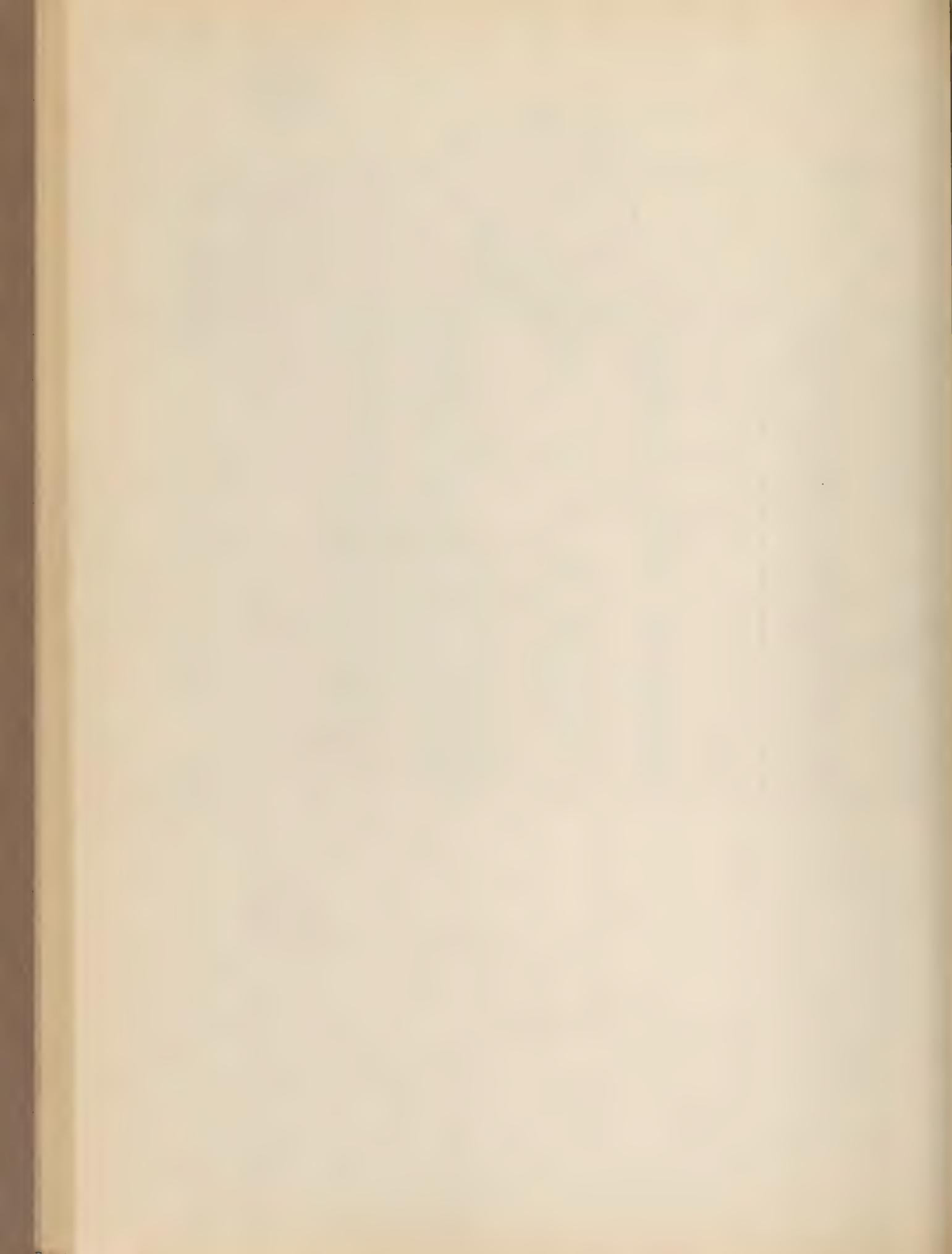
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\* Figures in this chapter are non-cumulative.



## 1) WORK OF FIELD DIRECTORS

## a. Examinations

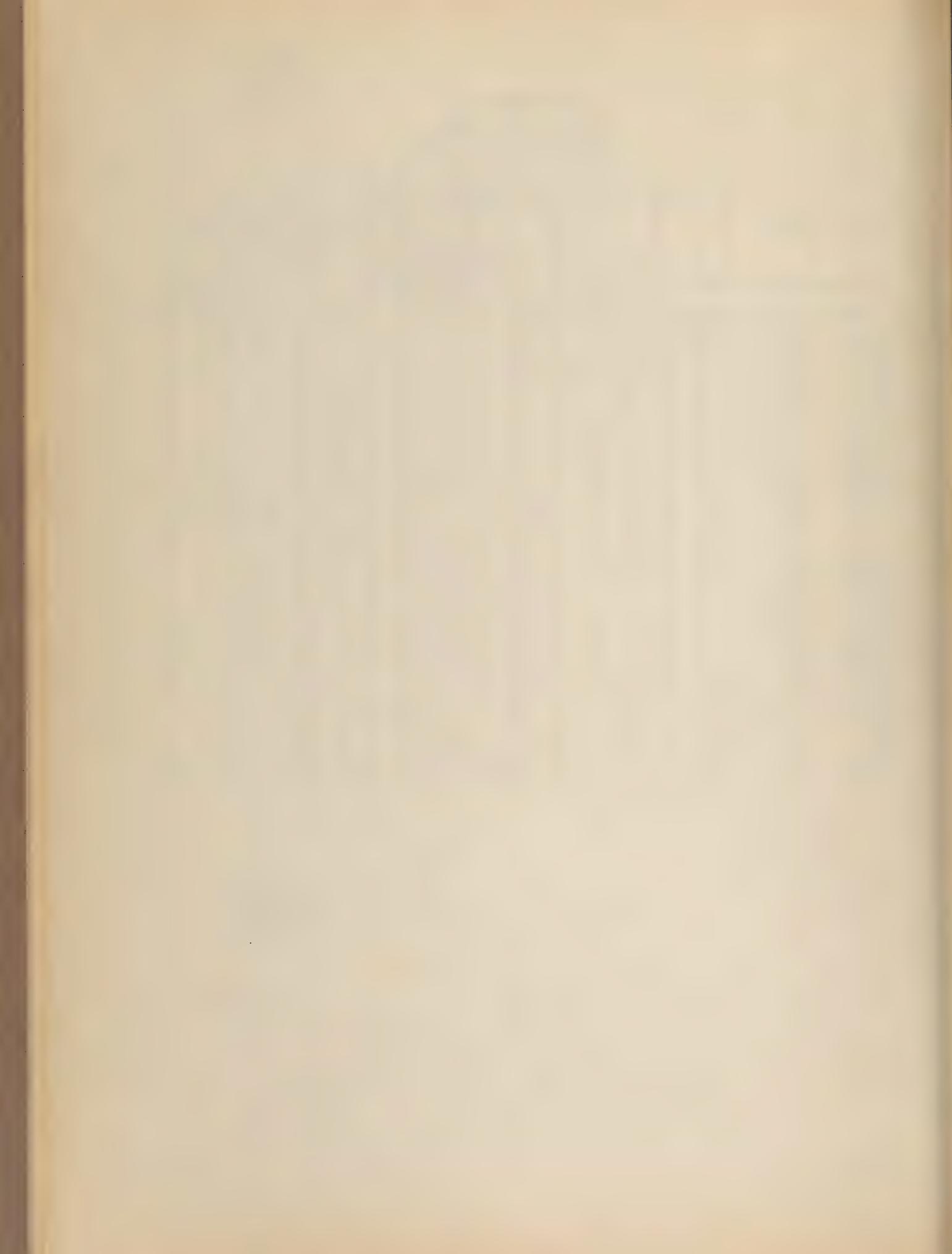
County	Field Director	Appropriated	Expended	Duration of Campaign								Examinations											
				Sec'ty App'r'n	Advertising	Holding Dispensaries	Educational Work	School Work	Sec'y Direct. & Instruction	Work in Homes	Total	Total Number	Total Positive	Positive to:					Trichocystis	Oxyuris	T. Saginata	T. Soium	Strongylides
														Uninaria	Ascaris	Hymenolepis							
TOTAL		\$2312.34	\$4690.07	19	129	750	54	56	21	6	1037	35133	11418	10186	1240	502	10	11	5	2	20		
Bibb	Whittle	155.00	155.00	1	20	5					26	1028	421	388	7	35							
Butts	Rodgers	90.00	109.31	1	16	20					21	1226	347	284	24	50							
Catoosa	Henry	150.00	89.96	1	6	20					27	592	105	41	42	13						1	
Cherokee	Applewhite	—	82.60	3	5	14					24	615	54	32	5	16							
Clay	Wood	—	124.85		14	5		2			21	943	498	494	1	2							
Clayton	Howell	100.00	80.50	4	20			2			26	1364	257	21	27	20							
Dade	Henry	150.00	101.37	2	1	12	3				24	626	117	28	67	15						3	
Dawson	Verner	—	126.13	1	4	12	3			1	21	173	90	73	27	2							
Douglas	Caldwell	—	63.43	4	15			2			31	284	27	23	8	8							
Fannin	Caldwell	—	134.37	3	15	1					19	565	189	140	83	11						3	
Fayette	Buchanan	100.00	77.00	4	20			3	1		37	925	325	193	9	25							
Forayth	Verner	100.00	100.00	2	15			2	4		25	438	61	67	5	6							
Gilmer	Caldwell	—	154.75	3	5	19					26	856	460	330	168	3						3	
Habersham	Dedwylder	—	97.83	3	17	3					34	1157	235	235	73	19							
Haralson	Howell	—	120.61	1	14	1		3			19	453	43	23	13	7							
Henry	Rodgers	150.00	136.26	1	2	16	2				21	644	307	294	5	12							
Jasper	Collinson	100.00	92.60			21		7			26	597	81	81								1	
Johnson	Riser	—	149.80	5	20			2	1		28	1570	825	822	3	1							
Laurens	Whittle	319.20	218.20		25			2			33	2474	1297	1890	2	19							
Lee	Wood	105.14	105.14		19	3	1				23	812	284	271	7	5						1	
Lincoln	Collinson	100.00	100.00	3	22	1		1			26	512	20	20									
Lumpkin	Te' vier	—	110.55	5	19	1		1			26	500	246	235	12								
Marion	Moore	150.00	125.00	1	16	1		4			21	774	482	483	2								
Meriwether	Buchanan	100.00	109.67	4	15	1	1	1			25	769	170	169								1	
Monroe	Rodgers	—	110.73	4	16	1					21	210	44	35	4	7							
Morgan	Collinson	100.00	100.00		31			6			27	937	70	70									
Murray	Dedwylder	—	117.00	3	16	1		1			21	739	93	93	26	29						3	
Newton	Riser	150.00	134.88	8	24	5					37	1285	271	225	33	16						3	
Oglethorpe	Riser	—	113.53	2	14	1		3	1		20	600	103	100									
Paulding	Howell	125.00	84.50	1	15	2		2	5		42	823	187	188	35	25							
Pike	Wood	—	141.45	1	1	27	3				31	780	180	144	7	32						2	
Putnam	Rodgers	150.00	147.04	1	2	16	3				28	2591	540	478	35	34						2	
Randolph	Wood	150.00	142.21	2	18	3					33	1537	668	656	1	16							
Schley	Moore	—	137.63	6	21	1					28	623	277	277	10								
Spaulding	Buchanan	125.00	80.60	4	16		3	1			24	801	49	27	15	7							
Taylor	Moore	—	122.00	11	33		1	3			38	948	532	524	11	6							
Union	Verner	100.00	115.03	5	17			1			21	602	400	316	289								
Upson	Buchanan	100.00	101.33	1	5	15	5				26	506	35	35									
Walker	Henry	150.00	108.33	3	24		6		1		33	1323	242	98	126	38						1	
Walton	Riser	—	85.38	5	10		4				13	279	32	19		7						1	
White	Dedwylder	—	94.90	3	15		4				20	753	234	232	54	15							



## 1) WORK OF FIELD DIRECTORS

## b. Treatments and Educational Work

County	Field Director	Number of Persons Treated										Educational Work										
		Treatments for Uncinariasis						Treatments for Other Parasitic Diseases				Kind of Lectures										
		First	Second	Third	Fourth	Fifth	Sixth	Total	Ascaris	Hymenolepis	Trichoceris	Onyurus	T. Saginata	T. Solium	Strongyles	Total for Other Parasites	No.	Attendance	No.	Attendance	No.	Attendance
TOTAL		9958	7631	6493	1362	36	5	25486	-	-	-	-	-	-	-	-	905	40725	466	26102	20	1254
Bibb	Whittle	386	363	341	10			1100	-	-	-	-	-	-	-	-	25	1379	15	957		
Butts	Rodgers	276	237	218	215	2		948	-	-	-	-	-	-	-	-	6	415	21	960		
Catoosa	Henry	41	41	41				123	-	-	-	-	-	-	-	-	25	585				
Cherokee	Applewhite	32	51	31	1	1		96	-	-	-	-	-	-	-	-	21	1710	9	1032	1	5
Clay	Wood	494	494	486	13	3	1	1481	-	-	-	-	-	-	-	-	22	1290	20	728	1	75
Clayton	Howell	209	203	203	203	5		825	-	-	-	-	-	-	-	-	36	1131	2	125	1	35
Dade	Henry	28	28	26				84	-	-	-	-	-	-	-	-	24	777				
Dawson	Verner	72	58	58				188	-	-	-	-	-	-	-	-	17	875				
Douglas	Caldwell	25	17	8	2	1		45	-	-	-	-	-	-	-	-	17	878	4	290		
Fannin	Caldwell	140	101	7	5			253	-	-	-	-	-	-	-	-	22	1390				
Fayette	Buchanan	141	141	141				423	-	-	-	-	-	-	-	-	40	1222	31	960		
Forsyth	Verner	67	48	39	1	1		157	-	-	-	-	-	-	-	-	15	520	4	280		
Gilmer	Caldwell	330	205	22	5	1		573	-	-	-	-	-	-	-	-	20	1525			1	10
Habersham	Dedwylder	235	201	198				634	-	-	-	-	-	-	-	-	18	662	1	50	5	550
Haralson	Howell	23	16	16	16	1		72	-	-	-	-	-	-	-	-	12	362	1	20		
Henry	Rodgers	292	290	285	285			1152	-	-	-	-	-	-	-	-	7	664	6	270		
Jasper	Collinson	61	59	40	6			186	-	-	-	-	-	-	-	-	21	471	55	2321	1	5
Johnson	Riser	821	586	593	56			2056	-	-	-	-	-	-	-	-	27	1690	16	865	1	60
Laurens	Whittle	1868	639	611	1			3339	-	-	-	-	-	-	-	-	31	1122	56	3939		
Lee	Wood	271	271	266	7	5		820	-	-	-	-	-	-	-	-	28	1451	17	592		
Lincoln	Collinson	20	20	17	1			58	-	-	-	-	-	-	-	-	21	524				
Lumpkin	Verner	175	171	171	7	7		535	-	-	-	-	-	-	-	-	9	650				
Marion	Moore	483	261	116	-			859	-	-	-	-	-	-	-	-	18	976	17	507		
Meriwether	Buchanan	169	169	169				507	-	-	-	-	-	-	-	-	32	650	11	1125		
Monroe	Rodgers	36	36	36				108	-	-	-	-	-	-	-	-	2	55				
Morgan	Collinson	68	56	38				164	-	-	-	-	-	-	-	-	26	665	26	1586		
Murray	Dedwylder	93	93	93				279	-	-	-	-	-	-	-	-	17	886			1	75
Newton	Riser	219	191	170	36			616	-	-	-	-	-	-	-	-	40	3320	54	2880		
Oglethorpe	Riser	99	96	95	9			299	-	-	-	-	-	-	-	-	32	1025			1	60
Paulding	Howell	73	66	58	49			246	-	-	-	-	-	-	-	-	18	545	6	235		
Pike	Wood	132	132	132				396	-	-	-	-	-	-	-	-	45	2025	4	328	3	230
Putnam	Rodgers	473	445	435	426	4	2	1764	-	-	-	-	-	-	-	-	4	310	16	962		
Randolph	Wood	650	656	656				1968	-	-	-	-	-	-	-	-	21	1695	9	610		
Schley	Moore	277	167	65				509	-	-	-	-	-	-	-	-	24	645	1	35		
Spalding	Buchanan	27	27	27				81	-	-	-	-	-	-	-	-	30	563	39	2243		
Taylor	Moore	517	265	56				838	-	-	-	-	-	-	-	-	32	1883	3	310	1	25
Union	Verner	216	191	178				585	-	-	-	-	-	-	-	-	20	1105				
Upson	Buchanan	35	35	35				105	-	-	-	-	-	-	-	-	27	768				
Walker	Henry	87	86	84				257	-	-	-	-	-	-	-	-	21	812	27	1366	1	24
Walton	Riser	19	19	19	4			61	-	-	-	-	-	-	-	-	18	600			1	75
White	DeWitt	232	217	217				663	-	-	-	-	-	-	-	-	14	1090	10	625	1	25



GEORGIA (continued)

## 1) WORK OF FIELD DIRECTORS

## c. Infection Survey

County	Field Director	Number Examined	Number Infected	Percentage of Infection
TOTAL		12549	5186	41.3
Bibb	Whittle	295	168	5.7
Butts	Rodgers	207	85	4.2
Catoosa	Henry	211	23	10.4
Clay	Wood	379	322	85.0
Clayton	Howell	555	149	26.8
Dade	Henry	200	11	5.5
Fannin	Caldwell	213	107	50.2
Fayette*	Buchanan	277	77	28.1
Forsyth	Verner	247	51	20.6
Gilmer	Caldwell	453	250	55.1
Habersham	Dedwylder	443	166	37.4
Haralson	Howell	256	67	26.1
Jasper	Collinson	475	70	14.7
Johnson	Riser	492	448	91.0
Laurens	Whittle	572	542	94.8
Lee	Wood	403	187	46.4
Lincoln	Collinson	235	15	6.4
Lumpkin*	Verner	107	48	44.9
Marion	Moore	489	407	83.3
Meriwether	Buchanan	231	59	25.5
Morgan	Collinson	729	59	8.1
Murray	Dedwylder	273	65	24.0
Newton*	Riser	359	95	26.5
Oglethorpe	Riser	213	66	30.9
Paulding	Howell	213	46	21.7
Putnam	Rodgers	923	260	28.1
Randolph	Wood	512	391	76.3
Schley	Moore	410	216	52.7
Spaulding	Buchanan	378	93	24.6
Taylor*	Moore	406	284	69.9
Union	Verner	300	137	45.7
Upson	Buchanan	230	23	10.0
Walker*	Henry	545	25	4.6
White	Dedwylder	319	175	5.4

\* These figures are in addition to figures reported for these counties in previous reports.



GEORGIA (continued)

## 1) WORK OF FIELD DIRECTORS

## d. Sanitary Survey

County	Field Director	Type of Privy						Sanitary Index
		A	B	C	D	E	F	
TOTAL		3		1	8729	4950	13683	6.4
Bibb	Whittle				84	25	109	8.0
Butts	Rodgers				452	444	896	5.0
Catoosa	Henry				84	61	145	6.0
Cherokee	Applewhite				160	51	211	8.0
Clay	Wood	2			140	171	313	5.1
Clayton	Howell				157	84	241	6.5
Dade	Henry				94	13	107	9.0
Dawson	Verner				28	159	187	1.4
Douglas	Caldwell				128	70	198	6.5
Fannin	Caldwell				200	91	291	6.9
Fayette	Buchanan				253	52	305	8.3
Forsyth	Verner				196	221	417	4.7
Gilmer	Caldwell				125	80	215	6.0
Habersham	Dedwylder				323	135	457	7.0
Haralson	Howell				52	127	179	2.9
Henry	Rodgers				421	382	803	5.0
Jasper	Collinson				113	81	194	6.0
Laurens	Whittle				218	109	327	6.7
Lee	Wood	1			65	125	191	3.9
Lincoln	Collinson				75	68	143	3.4
Lumpkin	Verner				21	151	172	1.8
Marion	Moore			1	393	28	422	9.4
Meriwether	Buchanan				435	47	482	9.0
Monroe	Rodgers				181	219	400	4.5
Morgan	Collinson				229	63	292	7.8
Murray	Dedwylder				165	83	248	6.6
Newton	Riser				408	123	531	7.7
Oglethorpe	Riser				265	115	380	7.0
Paulding	Howell				75	138	213	3.5
Pike	Wood				249	80	329	7.5
Putnam	Rodgers				479	458	937	5.1
Randolph	Wood				177	113	290	6.1
Schley	Moore				248	3	251	9.9
Spalding	Buchanan				258	18	276	9.3
Taylor	Moore				368	5	374	9.8
Union	Verner				35	279	314	1.1
Upson	Buchanan				418	43	461	9.0
Walker	Henry				98	71	169	5.8
White	Dedwylder				266	155	421	6.3
Johnson*	Riser				259	89	348	7.4
Walton*	Riser				325	119	444	7.3

\* Second survey.



GEORGIA (continued)2) WORK OF STATE LABORATORY

	Total Specimens	Total Positive	Positive to:							
			Uncinaria	Ascaris	Hymeno-lepis	Tricho-cephalus	Oxyuris	Taenia	Saginata	Taenia
Examinations for Our Staff*										
Examinations for Physicians and Miscellaneous	466	131	118	8	3	1			1	
Total Examinations	466	131	118	8	3	1			1	

\* These are credited to counties from which they were sent in.

3) WORK OF CENTRAL OFFICE

ENLISTING PHYSICIANS			EDUCATIONAL										
In State	Reporting	Reporting Treating Uncinaria	By Correspondence			By Addresses							
			No. Persons Reported	No. Persons Trt'd by Physicians	No. Letters Mailed	No. Pieces	Literature Distributed	Public	School	Special			
--	--	--	7846	38080	--	--	--	No.	Atten-dance	No.	Atten-dance	No.	Atten-dance

4) EXPENDITURES

Rent	Local Funds					From Other Sources	International Health Comm.	TOTAL*			
	Indirect*		Direct								
	STATE	STATE	COUNTY								
\$30	30.	30.	5.			\$2613.93	--	13490.19 16103.02			

\* Indirect expenditures, including estimated state funds, are not added in total with direct expenditures.



## TENNESSEE

## 1) WORK OF FIELD DIRECTORS

## a. Examinations

County	Field Director	Appropriated	Expended	Duration of Campaign						Examinations										
				See'g App'r'n	Advertising	Holding Dispensaries	Educational Wk	School Work	Securing Drs.	Endorsement	Work in Homes	Total Number	Uncinaria	Ascaris	Hymenolepis	Trichoccephalus	Oxyuris	T. Saginata	T. Nana	
TOTAL		\$475.00	\$519.51	--	--	--	--	--	--	--	--	7902	1902	885	1015	--	162	51	1	184
Benton*	Rude	---	29.65	--	--	--	--	--	--	--	--	733	234	105	153	--	17	1	1	19
Carroll*	Rude	---	28.00	--	--	--	--	--	--	--	--	992	325	158	157	--	32			16
Chester	Robinson	150.00	67.39	--	--	--	--	--	--	--	--	1803	337	280	41	--		1		22
Crockett	Rude	---	42.40	--	--	--	--	--	--	--	--	614	77	68	--					7
Decatur	Graves	---	--	--	--	--	--	--	--	--	--	244	36	26	--					10
Dyer	Townsend	---	36.00	--	--	--	--	--	--	--	--	176	4	10	--					13
Fayette	Robinson	---	45.64	--	--	--	--	--	--	--	--	196	17	10	--					6
Humphreys	Graves	---	--	--	--	--	--	--	--	--	--	240	41	34	--					4
Lauderdale*	Townsend	150.00	58.00	--	--	--	--	--	--	--	--	153	8	4	--					2
Macon*	Yancey	100.00	75.26	--	--	--	--	--	--	--	--	1613	595	230	424	--	90	32		43
Madison	---	58.36	--	--	--	--	--	--	--	--	--	356	38	23	6	--				13
Tipton	Townsend	---	9.65	--	--	--	--	--	--	--	--	164	10	2	--					8
Trousdale*	Yancey	75.00	69.16	--	--	--	--	--	--	--	--	405	78	32	23	--	19	10		17
Wayne	Graves	---	--	--	--	--	--	--	--	--	--	213	82	24	59	--	2	1		4

\*In addition to figures previously reported.

## b. Treatments and Educational Work.

County	Field Director	Number of Persons Treated						Educational Work													
		Treatments for Uncinariasis						Kind of Lectures													
		First	Second	Third	Fourth	Fifth	Sixth	Total	Ascaris	Hymenolepis	Trichoccephalus	Oxyuris	T. Saginata	T. Nana	Strongyloids	Others	Total for Parasites	No.	Public	School	Special
TOTAL		828	773	745	---	---	---	2346	-	-	-	-	-	-	-	-	96	5663	15	2260	--
Benton	Rude	105	96	94	---	---	---	295	-	-	-	-	-	-	-	-	4	475	2	300	--
Carroll	Rude	158	138	135	---	---	---	431	-	-	-	-	-	-	-	-	10	200	4	700	--
Chester	Robinson	280	288	288	---	---	---	866	-	-	-	-	-	-	-	-	10	632	2	380	--
Dyer	Townsend	---	---	---	---	---	---	---	-	-	-	-	-	-	-	-	10	500	--	--	--
Fayette	Robinson	2	2	2	2	2	2	577	-	-	-	-	-	-	-	-	10	207	--	--	--
Lauderdale	Townsend	2	2	2	2	2	2	56	-	-	-	-	-	-	-	-	10	350	--	--	--
Macon	Yancey	212	194	171	---	---	---	577	-	-	-	-	-	-	-	-	18	1450	--	--	--
Madison	Robinson	23	23	23	23	23	23	6	-	-	-	-	-	-	-	-	14	599	1	300	--
Tipton	Townsend	2	2	2	2	2	2	6	-	-	-	-	-	-	-	-	5	350	--	--	--
Trousdale	Yancey	32	26	26	26	26	26	84	-	-	-	-	-	-	-	-	18	600	6	580	--
Crockett	Rude	2	2	2	2	2	2	6	-	-	-	-	-	-	-	-	4	300	--	--	--



TENNESSEE (continued)1) WORK OF FIELD DIRECTORSc. Infection Survey

County	Field Director	Number Examined	Number Infected	Percentage of Infection
<u>TOTAL</u>		3187	596	15.9
Chester	Robinson	654	200	30.6
Crockett	Rude	384	2	.52
Fayette*	Robinson and Lee	231	14	6.
Humphreys	Graves	207	3	1.4
Macon	Yancey	825	196	23.7
Madison	Robinson	200	19	9.5
Trousdale	Yancey	276	28	10.2
Wayne	Graves	213	24	11.3
Decatur	Graves	200	20	10.

\* Partially surveyed in 1911.

d. Sanitary Survey

County	Field Director	Type of Privy						Sanitary Index
		A	B	C	D	E	F	
<u>TOTAL</u>			4	26	734	845	1609	5.1
Crockett	Rude		2	5	68	158	233	3.9
Decatur	Graves			6	148	82	236	6.9
Dyer	Townsend				40	74	114	3.5
Humphreys	Graves				105	113	218	4.8
Macon	Yancey				72	143	215	3.3
Tipton	Townsend				98	61	159	6.1
Trousdale	Yancey		2	8	89	127	226	5.2
Wayne	Graves			?	114	87	208	6.3



TENNESSEE (continued)

## 2) WORK OF STATE LABORATORY

	Total Specimens	Total Positive	Positive to:							
			Uncinaria	Ascaris	Hymeno-lepis	Tricho-cephalus	Oxyuris	Taenia Saginata	Taenia Nana	
Examinations for Our Staff*										
Examinations for Physicians and Miscellaneous	573	85	76	11		11	3	3	33	
Total Exams.,	573	85	76	11		11	3	3	33	

\*These are credited to counties from which they were sent in.

### 3) WORK OF CENTRAL OFFICE

ENLISTING PHYSICIANS				EDUCATIONAL							
In State	Reporting	Reporting "Treating Uncinaria"	No. of Physicians Reported Treated by Physicians	By Correspondence		By Addresses					
				No. Letter Mailed	No. Pos. Literacy District	Public	School	Special			
3400	---	---	---	1200	8000	12	2500	2	450	8	350

#### 4) EXPENDITURES

Local Funds							International Health Comm.	TOTAL*		
Indirect*			Direct							
STATE		STATE	COUNTY		From Other Sources					
Rent	Heat, Light &c	Postage	Printing &c	Office &c	Sup's					
\$15	6.	40.	15.			\$269.31		\$4334.63 4804.44		

\*Indirect expenditures, including estimated state funds, are not added in total with direct expenditures.



**TEXAS**  
**1) WORK OF FIELD DIRECTORS**

32.

**a. Examinations.**

County	Field Director	Appropriated	Expended	Duration of Campaign							Examinations								
				Sec'y Appr'd	Advertising	Holding	Dispensaries	Educational Wk	School Work	Securing Drs.	Endorsement	Work in Homes	Total	Total Number	Total Positive	Uncinaria	Ascaris	Hymenolepia	Trichocephalus
TOTAL		\$300.00	\$2396.47	--	83	326	--	--	--	--	--	--	409	14957	4282	4282	--	--	--
Leon	Outlaw	---	198.65	--	4	28	--	--	--	--	--	--	31	1378	804	804	--	--	--
Wood	Davis	---	184.00	--	11	20	--	--	--	--	--	--	31	679	117	117	--	--	--
Rusk	Campbell	---	198.78	--	7	35	--	--	--	--	--	--	35	2566	963	963	--	--	--
Tyler	Trezevant	---	199.88	--	8	34	--	--	--	--	--	--	32	691	377	377	--	--	1
Madison	Outlaw	---	147.65	--	6	25	--	--	--	--	--	--	31	1157	156	156	--	--	10
Van Zandt	Davis	---	163.55	--	7	27	--	--	--	--	--	--	34	740	158	158	--	--	--
Rains	Davis	---	28.80	--	2	9	--	--	--	--	--	--	11	128	35	35	--	--	--
Cherokee	Campbell	---	198.79	--	4	26	--	--	--	--	--	--	30	2570	678	678	--	--	3
Trinity	Trezevant	---	200.00	--	8	23	--	--	--	--	--	--	31	1479	618	618	--	--	--
Camp,*																			
Morris,*	Davis	---	200.00	--	10	23	--	--	--	--	--	--	33	504	104	104	--	--	--
Franklin,*																			
Titus*																			
Bowie	Outlaw	200.00	177.65	--	4	35	--	--	--	--	--	--	39	646	81	81	--	--	--
Hopkins	Campbell	---	198.72	--	4	26	--	--	--	--	--	--	30	1252	164	164	--	--	--
Delta	Trezevant	---	200.00	--	8	22	--	--	--	--	--	--	30	588	27	27	--	--	7

\*Camp, Morris, Franklin, and Titus counties were worked as one county.

**b. Treatments and Educational Work**

County	Field Director	Number of Persons Treated										Educational Work									
		Treatments for Uncinariasis					Treatments for Other Parasitic Diseases					Kind of Lectures			Educational Work						
		First	Second	Third	Fourth	Fifth	Sixth	Total	Ascaris	Hymenolepia	Trichocephala	Oxyuris	T. Scolopacidae	T. Nana	Strongyles	Others	Total for Other Parasites	No.	Public Attendance	School Attendance	Special Attendance
TOTAL		3971	489	13	--	--	--	4475	-	-	-	-	-	-	-	--	193	11767	69	9310	51
Leon	Outlaw	804	42	1	--	--	--	847	-	-	-	-	-	-	-	--	29	2390	19	1305	
Wood	Davis	117	87	1	--	--	--	207	-	-	-	-	-	-	-	--	20	1734	11	2110	3
Rusk	Campbell	869	124	1	--	--	--	993	-	-	-	-	-	-	-	--	1	400	24	1762	17
Tyler	Trezevant	266	41	2	--	--	--	331	-	-	-	-	-	-	-	--	4	309	3	555	225
Madison	Outlaw	156	5	1	--	--	--	162	-	-	-	-	-	-	-	--	25	1960	6	580	1
Van Zandt	Davis	155	63	1	--	--	--	222	-	-	-	-	-	-	-	--	26	841	5	1705	50
Rains	Davis	35	24	1	--	--	--	61	-	-	-	-	-	-	-	--	6	342	3	338	95
Cherokee	Campbell	553	35	1	--	--	--	578	-	-	-	-	-	-	-	--	5	325	3	375	10
Trinity	Trezevant	617	--	--	--	--	--	617	-	-	-	-	-	-	-	--	5	500	3	780	350
Camp,*																	32	1037			640
Morris,*	Davis	104	56	3	--	--	--	163	-	-	-	-	-	-	-	--	32	1410			412
Franklin,*																	3	913			232
Titus*																					
Bowie	Outlaw	83	23	--	--	--	--	105	-	-	-	-	-	-	-	--	32	1410			
Hopkins	Campbell	160	--	--	--	--	--	160	-	-	-	-	-	-	-	--	3	913			
Delta	Trezevant	27	--	--	--	--	--	27	-	-	-	-	-	-	-	--					

\*Camp, Morris, Franklin, and Titus counties were worked as one county.



TEXAS (continued)

## 1) WORK OF FIELD DIRECTORS

## c. Infection Survey

County	Field Director	Number Examined	Number Infected	Percentage of Infection
<b>TOTAL</b>		<b>7372</b>	<b>3410</b>	<b>46.3</b>
Leon	Outlaw	957	670	70.
Wood	Davis	470	104	22.
Rusk	Campbell	1118	660	59.
Tyler	Trezevant	463	315	68.0
Madison	Outlaw	571	120	21.0
Van Zandt	Davis	485	133	27.4
Cherokee	Campbell	961	565	58.8
Trinity	Trezevant	1155	573	49.6
Camp,*				
Morris,*	Davis	311	82	26.4
Franklin,*				
Titus,*				
Bowie	Outlaw	307	82	26.4
Hopkins	Campbell	574	126	22.0

## d. Sanitary Survey

County	Field Director	Type of Privy						Sanitary Index
		A	B	C	D	E	F	
<b>TOTAL</b>				5	1302	2580	3887	<b>3.4</b>
Leon	Outlaw					371	371	0.0
Wood	Davis				75	192	267	2.8
Rusk	Campbell				119	188	307	3.8
Tyler	Trezevant				185	82	267	6.9
Madison	Outlaw					364	364	0.0
Van Zandt	Davis				70	184	254	2.7
Rains	Davis					133	133	0.0
Cherokee	Campbell			5	81	203	289	3.2
Trinity	Trezevant				222	73	294	7.5
Camp,*								
Morris,*	Davis				32	253	385	1.1
Franklin,*								
Titus,*								
Bowie	Outlaw					283	283	0.0
Hopkins,	Campbell				58	234	292	1.9
Delta	Trezevant				460	21	481	9.6

\*Camp, Morris, Franklin, and Titus counties were worked as one county.



TEXAS (continued)2) WORK OF STATE LABORATORY

	Total Specimens	Total Positive	Positive to:							
			Uncinaria	Ascaris	Hymeno-lepis	Trichocephalus	Oxyuris	Taenia Saginata	Taenia Nana	
Examinations for Our Staff*										
Examinations for Physicians and Miscellaneous	111	24	24							
Total Exams.,	111	24	24							

3) WORK OF CENTRAL OFFICE

No. of Physicians	ENLISTING PHYSICIANS			EDUCATIONAL							
	In State	Reporting	Reporting "Treating Uncinaria" by Physicians	By Correspondence		By Addresses					
				No. Persons Reported	No. Reported to Physicians	No. Letters Mailed	No. Pcs. Literate Distributed	Public	School	Special	No.
5126	32	20	35	421	425	1	1	---	---	---	1

4) EXPENDITURES

	Local Funds					From Other Sources	International Health Comm.	TOTAL*			
	Indirect*		Direct								
	STATE	STATE	COUNTY								
Rent											
Heat, Light & C.	\$20	15.	60.	70.		\$177.65	---	6449.17			
Postage								6626.82			
Printing & C.											
Supplies & C.											
Porter											
Telephone & Telegraph.											

\*Indirect expenditures, including estimated state funds, are not added in total with direct expenditures.







"Hugmetite"  
Bulletin Binder  
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Vechten Waring Co.  
37-39 E. 28th St.  
New York, U. S. A.

Patent Pending

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